

19981214.qrp v01_n305.qrs.981214

Date: Mon, 14 Dec 1998 19:03:20 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1305

QRP-L Digest 1305

Topics covered in this issue include:

- 1) [27240] Re: 6M transverter
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 2) [27241] Ten - Glad You're Back!
by SMurph555@aol.com
- 3) [27242] QRP Fun!
by Kelly Ellison {WB0WQS} <kelman@dialnet.net>
- 4) [27243] Re: 6M transverter
by James Skalski <jskalski@buffnet.net>
- 5) [27244] Transistors
by "Todd Foster, KD5FUF" <tef96a@timon.acu.edu>
- 6) [27245] RE: Transistors
by "Ed Tanton" <n4xy@mindspring.com>
- 7) [27246] W0CQC Snowshoe Run
by alan dawkins <alk0frp@earthlink.net>
- 8) [27247] looking for Paul Watson
by Scott Howell <whowell@hq.nasa.gov>
- 9) [27248] Greg Breeden, book order
by Scott Howell <whowell@hq.nasa.gov>
- 10) [27249] Michael Rice, book order
by Scott Howell <whowell@hq.nasa.gov>
- 11) [27250] 30m Explorer II for sale or trade
by "Karl Heimbach" <heimbach@concentric.net>
- 12) [27251] RE: Survey of simple receiver projects
by Jade Account <jadepro@jadeprod.com>
- 13) [27252] Will antenna tuner improve RX?
by Daniel Salo <dsalo@pacbell.net>
- 14) [27253] Re: Mini-L: RS Lookout!
by Ben Pooley <bpooley@bar.auracom.com>
- 15) [27254] OHR-100 Drift testing
by we6w@juno.com (Ed Loranger)
- 16) [27255] Modern-day Captain Nemos (subs)
by WD6BOR@aol.com
- 17) [27256] Re: Transistors
by "Radman" <radman@best.com>
- 18) [27257] re: electricity problem (?)
by Fran Flynn <fflynn@together.net>
- 19) [27258] Re: 40673 FS: At *WHAT* Price!!!!?????

- by Dave Fifield <fifield@pacbell.net>
- 20) [27259] Sierra on 30m
by aweiss@usd.edu (Ade Weiss W0RSP)
- 21) [27260] Sierra Driver Voltages????
by aweiss@usd.edu (Ade Weiss W0RSP)
- 22) [27261] 10m Contest and Antennas
by Monte Stark <ku7y@dri.edu>
- 23) [27262] Re: [10m Contest and Antennas]
by Roy Lincoln <wa4dou@usa.net>
- 24) [27263] Re: WB0WQS/QRP posting
by Chuck Adams <adams@ticnet.com>
- 25) [27264] Re: 40673 FS: At *WHAT* Price!!!!?????
by James Skalski <jskalski@buffnet.net>
- 26) [27265] RE: 40673 FS: At *WHAT* Price!!!!?????
by "Ed Tanton" <n4xy@mindspring.com>
- 27) [27266] Re: 40673 FS: At *WHAT* Price!!!!?????
by Dave Fifield <fifield@pacbell.net>
- 28) [27267] Drifting VFO's and the project shelf.
by we6w@juno.com (Ed Loranger)
- 29) [27268] RE: 40673 Price is not the only thing to look at.
by "John L. Horton" <jhorton@primenet.com>
- 30) [27269] HOMEBREW REGEN RCVR
by mjfitz@uswest.net
- 31) [27270] Not Qrp related- for "stamp collectors"
by Alen Mitrovic <alenm@hermes.si>
- 32) [27271] 10m Contest
by malman@world.std.com (joel malman)
- 33) [27272] Re: 6 Meters
by notajock@juno.com
- 34) [27273] FS: TenTec Argosy I
by DaveLeDuc@aol.com
- 35) [27274] WTB: LDG AT-11
by hudog <hudog@sparc.isl.net>
- 36) [27275] Re: Survey of simple receiver projects
by "Brian J Keegan" <brimail@home.com>
- 37) [27276] OHR-500 VFO modify
by "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>
- 38) [27277] Re: 40673 FS: At *WHAT* Price!!!!?????
by James Skalski <jskalski@buffnet.net>
- 39) [27278] Re: Mini-L: RS Lookout!
by "Jeff Hahn" <kr4ys@hotmail.com>
- 40) [27279] Re: 40673 FS: At *WHAT* Price !!!!?????
by Roger Hightower <n7kt@earthlink.net>
- 41) [27280] Stripping enamel wire
by Chris <c_sieg@conknet.com>
- 42) [27281] Re: Drifting VFO's and the project shelf.
by Chris Trask <ctrask@primenet.com>
- 43) [27282] Re: Will antenna tuner improve RX?

by "Bob Kellogg" <ae4ic@nr.infi.net>

44) [27283] RE: Survey of simple receiver projects
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

45) [27284] Atlanticon '99 QRP Forum registration
by "Dave Maliniak" <dmaliniak@penton.com>

46) [27285] Re: Will antenna tuner improve RX?
by Roger Hightower <n7kt@earthlink.net>

47) [27286] Drifting VFOs, a Motivational Post?
by Lee Bahr <bahr521@earthlink.net>

48) [27287] Re: Will antenna tuner improve RX?
by Conard Murray <ws4s@infoave.net>

49) [27288] K8IIJ de N0TU
by "Steve/n0tu" <n0tu@webaccess.net>

50) [27289] Video Monitor
by Elliott Lawrence <edl@pacbell.net>

51) [27290] Power Hungry! :-)
by Larry East <w1hue@amsat.org>

52) [27291] Re: My order
by Scott Gregson - KC7MAS <emtech@steadynet.com>

53) [27292] Re: Stripping enamel wire
by we6w@juno.com (Ed Loranger)

54) [27293]
by rbcallahan@juno.com (Robert B. Callahan)

55) [27294] Atlanticon registration
by "Dave Maliniak" <dmaliniak@penton.com>

56) [27295] Need SRAM Card
by Ed Manuel <n5em@flash.net>

57) [27296] It's Officially winter on Dec. 21, time to make some 160 meters qrp contacts
by jaywa5whn@juno.com

58) [27297] SSB ARRL 10M
by flydnq7x@primenet.com (Floyd Smithberg)

59) [27298] Twitchy mouse
by "Ronald Hands" <rhands@hwcen.org>

60) [27299] Need a Diskette
by Scott Gregson - KC7MAS <emtech@steadynet.com>

61) [27300] Re: MC1310 - what kind of part
by Brad Bradfield <b_bradfield@yahoo.com>

62) [27301] Re: My 160 meter "slinky"
by heatherex@juno.com (Rex E Pickett)

63) [27302] FT/FT: High Mound BK 100-Make offers
by "Jim Johnson" <km7h@gte.net>

64) [27303] Elmer 205
by Brad Mugleston <bmug@gwl.com>

65) [27304] Re: Twitchy mouse
by Scott Gregson - KC7MAS <emtech@steadynet.com>

66) [27305] 10m ssb contest
by Scott Howell <whowell@hq.nasa.gov>

- 67) [27306] Yet another PIC DDS controller! (AD9832)
by "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
- 68) [27307] Re: Twitchy mouse
by "Ronald Hands" <rhands@hwcen.org>
- 69) [27308] Elmering and Operating.
by Ed Loranger <we6w@qsl.net>
- 70) [27309] RE: Survey of simple receiver projects
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
- 71) [27310] St Louis Vertical
by Mercxx@aol.com
- 72) [27311] Gel Cell Bonanza!
by "Steven Weber" <kd1jv@moose.ncia.net>
- 73) [27312] Re: 6M transverter
by kkanalz@optelinc.com
- 74) [27313] Zombie Badges
by "Earl S. Mead" <k6esmead@pacbell.net>
- 75) [27314] Yipee!! Got the HI card - that makes 50 confirmed!!
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 76) [27315] can u go to cw?
by ac5ez@webtv.net (Larry B)
- 77) [27316] correction to URL address/ 160 meters
by jaywa5whn@juno.com
- 78) [27317] NorCal 20 Status Report
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 79) [27318] Re: 40673 FS: At *WHAT* Price!!!!?????
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
- 80) [27319] Beacons on other bands...
by Fred Lesnick <flesnick@tbaytel.net>
- 81) [27320] Re: Stripping enamel wire
by "John J. McDonough" <jjmcd@tm.net>
- 82) [27321] Re: Zombie Badges
by RangerSF5@aol.com
- 83) [27322] Re: Zombie Badges
by Paul Harden <pharden@aoc.nrao.edu>
- 84) [27323] IC Prices
by Andy Fox <foxes@theriver.com>
- 85) [27324] Earl and Paul
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

Date: Sun, 13 Dec 1998 19:41:01 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: Rud Merriam <rmerriam@csi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27240] Re: 6M transverter
Message-ID: <Pine.LNX.3.95.981213194007.19461Y-1000000@w3eax.umd.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

No, because it performs a linear translation by mixing the input frequency with another frequency to generate the desired output frequency.

Scott Rosenfeld ARS NF3I soon to be N7??
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

On Sun, 13 Dec 1998, Rud Merriam wrote:

> Got a question on transverters. Assume a 10m-6m transverter. The 10m rig puts
> out a bandwidth of, say, 1khz. The transverter roughly doubles the frequency of
> the output signal going from 28mhz to 50mhz. Doesn't it also double the
> bandwidth from 1 khz to 2khz?

>
> Rud Merriam KD5DTV
> rmerriam@csi.com
>

> -----Original Message-----

> From: Steven Weber <kd1jv@moose.ncia.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: Sunday, December 13, 1998 2:55 PM
> Subject: HB: 6M transverter

>
>
> Howdy Gang,

>
> A number of you have been asking for a 6M rig, so I decided to see
> what it would take to build one, using mostly parts on hand. Building
> a complete stand alone rig seemed to be too much of an undertaking,
> and when I found a 36.01 MHz xtal in a junk Cordless phone, a 20 to 6
> transverter looked very attractive. After all, we all have 20 M qrp
> rigs and maybe even a WM-20 SSB rig to use.

>
>
> <snip>

>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"

>
>
>
>

Date: Sun, 13 Dec 1998 18:59:03 EST
From: SMurph555@aol.com
To: qrp-1@Lehigh.edu
Subject: [27241] Ten - Glad You're Back!
Message-ID: <26b69afc.367454c7@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

Boy, I'm a happy camper tonight! Worked ZL2DX and KH8/N50LS with my QRP+ and the indoor, aluminum foil Zepp during the 10M contest! Those two must have incredible ears! Thanks guys (or gals)!

72/73

Cal K4JSI

Date: Sun, 13 Dec 1998 18:13:33 -0600
From: Kelly Ellison {WB0WQS} <kelman@dialnet.net>
To: qrp-1@Lehigh.EDU
Subject: [27242] QRP Fun!
Message-ID: <3674582D.65013F84@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all,

It's been a good afternoon on 40 meters. First My CQ was answered By K5F0 -- Chuck was testing out a TT1340 he had built yesterday, then I worked W5YA in New Mexico... Fred was telling me about his Norcal 40, when W6RBR (Elmer) in the Boot hill of Missouri broke in using 1 watt with his Sierra. So there we were, Running a 3way QSO on 7.042 QRP style. I was using my TAC-1 running 5 Watts into the loop. The only thing that would have made it better, If I had been running my Norcal 40A! I think I'll crank the TAC-1 down to one watt!

Hope to see you on the bands!

Kelly Ellison WB0WQS Aurora Missouri kelman@dialnet.net QRP-1#702

Date: Sun, 13 Dec 1998 19:20:57 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Rud Merriam <rmerriam@csi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27243] Re: 6M transverter
Message-ID:
<Pine.LNX.4.03.9812131915480.3213-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It doesn't double the frequency...It combines or *mixes* the frequencies. It works like a superhet receiver does. In the receiver the vfo or local oscillator mixes with the i.f. (intermediate frequency stage) . Together they receive on the desired frequency. For example a vfo operates on a range of 5.0-5.5mhz and the receiver if and filter stage operates at 9mHz. When combined or mixed they will cover the twenty meter band and then some. 14.0-14.0 mhz.

An oscillator of 22mhz mixed with an i.f. of 28.00mhz will get you up to 52mhz.

73,

Jim N2go

Date: Sun, 13 Dec 1998 18:23:37 -0500
From: "Todd Foster, KD5FUF" <tef96a@timon.acu.edu>
To: qrp-l@lehigh.edu
Subject: [27244] Transistors
Message-ID: <3.0.3.32.19981213182337.0095d2b0@timon.acu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To one of you tech gurus-

I have a 2N4416A with Motorola markings (made in Korea) in a metallic cylindrical case with four pins out the bottom. How do I determine which pin is which? When I ordered it, I was expecting a 2N4416 (no "A") in a plastic case with three pins. Are these two basically the same device? Is there some central place where such things as pinouts can be regularly looked up? Is this information tucked away, hidden from my eyes, in my 1998 ARRL handbook?

Another question, while I'm wasting bandwidth, does anybody have a good rule of thumb for estimating the length of magnet wire need to wind a coil around a toroid with a given number of turns?

Thanks,

Todd Foster, KD5FUF

Date: Sun, 13 Dec 1998 20:15:22 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <tef96a@timon.acu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27245] RE: Transistors
Message-ID: <001c01be26ff\$389f9110\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Todd... if you will go to URL:
<http://people.a2000.nl/emolenka/j-fet-pre.html> you will-if you scroll down the page-find the layout for a pcb that uses both P-Channel and N-channel JFETs... the 2N4416A JFETs have one place where 2 are connected with their emitters shorted. The 4th lead is not used. If you will examine the pcb, I believe that particular feature will enable you to figure out what's what. And yes, they're essentially the same device in different cases.

///snip
> I have a 2N4416A with Motorola markings (made in Korea) in a metallic
> cylindrical case with four pins out the bottom. How do I determine which
> pin is which? When I ordered it, I was expecting a 2N4416 (no "A") in a
> plastic case with three pins. Are these two basically the same device? Is
> there some central place where such things as pinouts can be regularly
> looked up?
///snip

Date: Sun, 13 Dec 1998 17:18:44 -0700
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [27246] W0CQC Snowshoe Run
Message-ID: <36745964.91D7ADC8@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

W0CQC was operated by Larry UA6HZ/WJ1R, He lives in a apartment and misses his 4 towers and many Radios. So when I offered the station for him to operate he was ready to go. 5 w TS850 2 el at 70 ft. Conditions were not the best.

55 QSO's 15 SPC's worked many 3 and 2 times. Larry has the logs so can't check them.

Larry did work 2 stations over the pole on 40m cw before the contest. I was sitting by listening and could not make anything out then I realized they were sending in Russian, go figure?

So if you missed K0FRP I was there but hidden.

Al K0FRP

Date: Sun, 13 Dec 1998 20:10:58 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Cc: cw@qth.net
Subject: [27247] looking for Paul Watson
Message-ID: <3.0.5.32.19981213201058.007cc5e0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm looking for Paul Watson.
Paul, this is in regards to the book Riding the Airwaves with A Z.
Please contact me at whowell@mail.hq.nasa.gov

tnx es 72/73 de Scott/n3byy

Date: Sun, 13 Dec 1998 20:15:48 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [27248] Greg Breeden, book order
Message-ID: <3.0.5.32.19981213201548.007d4b20@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

sry, to post here, but can't find my note with Greg's callsign or E-mail

address.

Greg please let me know if you got your book or not.

tnx es 72/73 de Scott/n3byy

Date: Sun, 13 Dec 1998 20:24:49 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Cc: cw@qth.net
Subject: [27249] Michael Rice, book order
Message-ID: <3.0.5.32.19981213202449.007cd100@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

another who I haven't an E-mail address for.
Well ok, pse excuse the bandwidth.
Nearly got everyone accounted for.<g>

Mike did you get your book?

btw, folks I think I went a little crazy and ordered a few to many books.
I'll take the first four folks based on the date of your msg if your
intrested in a copy.
The cost is \$9.95 plus \$3 for priority mail shipping or if you want two
books is \$5 for shipping.
WOW! those puppies were heavier than I thought.

Now for those of you who may not remember the book, here is the info below.

"RIDE THE AIRWAVES WITH ALFA & ZULU"
by John Abbott

in brief this book teaches children or non-technical folks about the hoby.
Covers everything that "Now your Talking" would, but uses cartoon
charactors etc. to do the teaching. Its a very good book. If you want the
entire description, please let me know and I'll send it to you direct.
Its on the work pc and I am at home. In any case if your intrested, please
contact me at
whowell@mail.hq.nasa.gov

tnx es 72/73 de Scott/n3byy

Date: Sun, 13 Dec 1998 19:40:59 -0600

From: "Karl Heimbach" <heimbach@concentric.net>
To: <qrp-1@LEHIGH.EDU>
Subject: [27250] 30m Explorer II for sale or trade
Message-ID: <012a01be2702\$ce40be80\$620505ac@pentium>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I have a 30 meter Explorer II in excellent condition (looks new and also was aligned by OHR) that I would like to trade for either a 20 or 30 meter SST or alternately, sell for \$75 plus \$3 shipping. I also have a 40 meter Explorer II in not quite as nice cosmetic shape that I'll trade or sell for \$70 plus \$3 shipping.

Thanks and regards,

Karl - W5QJ

Date: Sun, 13 Dec 98 20:59:08 PST
From: Jade Account <jadepro@jadeprod.com>
To: qrp-1@Lehigh.EDU
Subject: [27251] RE: Survey of simple receiver projects
Message-ID: <Chameleon.981213210704.jadepro@jadepro.jadeprod.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Two other 40M receivers that may be of interest are the Shielded Loop Receiver (SLR) by N1BYT that was the cover story for the October 1997 QST. It is an entirely self contained receiver for 40M, including the antenna. This is not a "compromise" receiver, it will hear anything my commercial station will hear with the outside 40M antenna.

The other receiver is the Optically Coupled Receiver (OCR) by N1BYT that was featured in the June 1998 QST. It is a high-performance regenerative receiver (Yeah, I know, that sounds like an oxymoron, but you have to hear it to believe it.).

Of the two, my favorite is the SLR because it is so portable, however, the OCR has the added advantage that it will copy AM signals, so when it is not doing duty as an amateur receiver, it can be used for SWL.

We still have these kits in stock, but the numbers are starting to dwindle, I may do another run of them if there is enough interest.

Oh, Richard Fisher did do a very favorable review of the SLR in World Radio as well.

73

Dennis, K1YPP

Jane Blanchard, KA1FUN, President -- Dennis Blanchard, K1YPP, Chief Engineer

	Phone:	603-329-6995 (Telephone hours 4 to 10 PM EST)
Jade	FAX:	603-329-4499
Products,	Orders:	800-523-3776
Inc.	e-mail:	jadepro@jadeprod.com

US Mail: Jade Products, Inc
PO Box 368
East Hampstead, NH 03826-0368

See our Web Page: <http://www.jadeprod.com/>

Date: Sun, 13 Dec 1998 18:12:03 -0800
From: Daniel Salo <dsalo@pacbell.net>
To: qrp-l@Lehigh.EDU
Subject: [27252] Will antenna tuner improve RX?
Message-ID: <3.0.3.32.19981213181203.0141b610@postoffice.pacbell.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All the information I see about antenna tuners only talks about how transmit propagation will improve through an improved SWR. Will an antenna tuner also help the receive side?

I'm asking this because I'm building a ZM-2 for my HF rig on which I can only listen because I only have a Tech license.

73

Dan, KF6QZQ

Date: Sun, 13 Dec 1998 22:28:08
From: Ben Pooley <bpooley@bar.auracom.com>
To: kd7s@psnw.com
Cc: qrp-1@Lehigh.EDU
Subject: [27253] Re: Mini-L: RS Lookout!
Message-ID: <3.0.6.16.19981213222808.356f039e@bar.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> I hope they are not discontinuing these boards. But,
> if they are, then we will change the layout to accommodate what we can
> find.

>=====

> Bill Jones - KD7S <><
> Sanger, California
> <http://www.psnw.com/~kd7s>
>=====

>
>

Seems to me there is enough interest in this project to decide on
"ideal" boards for the job and get them made. Perhaps the quantity
would be enough to get better quality at no more money.

73, Ben, VE1AHX

Date: Sun, 13 Dec 1998 21:48:33 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-1@lehigh.edu
Subject: [27254] OHR-100 Drift testing
Message-ID: <19981213.183809.6959.0.we6w@juno.com>

Howdy from Santa Rosa, CA, my fellow QRP friends.

I have the OHR-100 rig connected to the Spectrum
analyzer. With a nice homebrew 25 Watt dummy load
I've been key down for up to 10 minutes at a time
at 5 Watts output.

I've learned a lot about the rig. First, the
2nd harmonic at full-Bore is about -36 dBC. With
a minor tweak of the power knob the second harmonic

drops down to -46 dBC. (Please, no lectures on whether it is 46 dB from carrier or -46 dB from the carrier. We all know what it means and have had this argument while programming for the engineers... They like the minus sign....)

Kind of like negative gain and positive loss numbers... Life's too short for these arguments :)

OK, where was I...

First a summary. It is the VFO Section. Toroid core L113 and all of the capacitors around it have been tested with gentle micro-breaths of warmth thru a straw. They all cause HUGE frequency drifts downward about 1 KHz almost immediately.

Individually, I would expect the core to go one way, and the proper assortment of capacitors to compensate by drawing the VFO back to center.

Just so happens that everything lowers the VFO frequency when they are warmed up.

The affect of key down is very little. The biggest monster is the ambient temperature. With the lid off the OHR I can watch the 480 Hz drift up and down up and down as the house heater cycles.... Been watching it all day.

So now I believe the drift has always been the ambient room temperature shifts. And it doesn't take much on my unit. Now I believe that little task lamp I have near the rig may have added enough heat to "help" the drift along.

What I have discovered here is that everyone's rig will probably be different and unless thermal characteristics of the VFO components are matched in the beginning, we must be prepared to identify which parts are thermally sensitive, whether the freq. goes up or down with temperature, and which associated components must be selected with the proper compensating temperature coefficient.

I remember we used to match toroids in an RF Bridge product I used to build. I helped design the test and write the software. Suddenly I remember all this and how important these characteristics are if we want a stable vfo. (Please forgive me, it was 18 years ago!)

I for one, will from now on test my vfo before boxing up the rig.

Hopefully I'll swap out some parts tomorrow and get it fixed.

Happy Holidays.

-Ed

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>

Enjoying Ham Radio every day! Santa Rosa, CA.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 13 Dec 1998 21:47:08 EST
From: WD6BOR@aol.com
To: qrp-1@lehigh.edu
Subject: [27255] Modern-day Captain Nemos (subs)
Message-ID: <51eead77.36747c2c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul and the underseas service gang,

I read a review today of a new book called "Blind Man's Bluff: The Untold Story of American Submarine Espionage" by Sherry Sontag, and Christopher Drew published by Public Affaris and listed for \$25. The reviewer said that the book was written from the submarine crew's perspective and is based on hundreds of interviews of men who crewed the boats. The book is about the submarine's service during the Cold War to keep tabs on the Soviet Union and is supposed to be a well written and readable account of the submarine service during those years.

I thought you might all know about it already but decided to post the info to the list in case you hadn't. I know they must have used radios sometime during their cruises so this post is radio related if you just stretch your imaginations a bit.

72, and ah-ooga!

Darrel, WD6BOR

Date: Sun, 13 Dec 1998 17:38:55 -0800
From: "Radman" <radman@best.com>
To: <tef96a@timon.acu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27256] Re: Transistors
Message-ID: <199812140136.RAA19828@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Todd,

I doubt I'm a "guru," but here's the URL:
<http://www.temic.com/www/data/smallfet/70242.pdf>

If you can't get there... I'll try to describe the pin layout. Looking at the TOP of the transistor (T0-72) package, locate the metal tab. When viewed from the TOP, the first pin to the left of the tab is #1 (S), moving counter-clockwise, the next pin is #2 (D), moving same direction the next pin is #3 (G) and the last pin is #4 (C) which is immediately to the RIGHT of the tab when viewed from the TOP. Hope this makes sense... you other "gurus" might want to check my orientation... Both the 2N4416A and 2N4416 are n-channel JFETs. Hope this helps :-)

Sry, I've got to run... hope this helps a bit...

72 - Conrad Weiss - NN6CW

To one of you tech gurus-

I have a 2N4416A with Motorola markings (made in Korea) in a metallic cylindrical case with four pins out the bottom. How do I determine which pin is which? When I ordered it, I was expecting a 2N4416 (no "A") in a plastic case with three pins. Are these two basically the same device? Is there some central place where such things as pinouts can be regularly looked up? Is this information tucked away, hidden from my

eyes, in my 1998
ARRL handbook?

Another question, while I'm wasting bandwidth, does
anybody have a good
rule of thumb for estimating the length of magnet wire
need to wind a coil
around a toroid with a given number of turns?

Thanks,

Todd Foster, KD5FUF

Date: Sun, 13 Dec 1998 22:35:05 -0500
From: Fran Flynn <fflynn@together.net>
To: unlisted-recipients;; (no To-header on input)
Cc: PUNISHER3@aol.com, qrp-1@lehigh.edu
Subject: [27257] re: electricity problem (?)
Message-ID: <36748769.6C14D67E@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Hi. I was wondering if it was just my house or other people have this problem
>too. While I am doing cw, my lights flicker.

You didn't mention what type of light it was. If it was a flourescent
lamp, RF energy will have an effect on it. With enough RF you can make
a flourescent tube light up without it even being plugged in or turned
on. The RF
may have an effect on the level of ionization of the gasses within the
lamp. I have noticed the effect at the 100 watt level but not with qrp,
but qrp levels may still have a small effect. If it's an incandesent
light, e.g. a light bulb, then I am afraid I don't quite know what made
it flicker :)

Keep playing with radio, there are always surprises!

Fran KM1Z

Date: Sun, 13 Dec 1998 20:29:17 -0800
From: Dave Fifield <fifield@pacbell.net>
To: QRP List <qrp-1@lehigh.edu>

Subject: [27258] Re: 40673 FS: At *WHAT* Price!!!!?????
Message-ID: <3674941D.70B56002@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

People,

Please do your homework. The 40673 device may be difficult to get hold of for a reasonable sum these days, but \$4.50 each, C'mon!!!!???? I'll bet that the whole box cost only a bit more than this mil. surplus!

You can buy a perfectly good replacement device like the 3SK51 from companies like Dalbani (1-800-325-2264) for \$1.13 each. In fact, the 3SK51 is a better device IMHO.

Just because RF Parts thinks they can get \$6.95 for them there's no need for price gouging to break out everywhere. Watch your money folks...

Dave Fifield, AD6A

On Fri, 11 Dec 1998, James Skalski wrote:

>
> If anyone is interested in owning some of these to build projects from old
> qst,ARRL handbook, solid state design for the radio amateur...This may be
> the last opportunity. I have located someone that has a box stashed away.
>
> These are the RCA 40673 N-dual-gate FET
snip
> The pricing is as follows:
>
> 1 piece \$4.50
> 5 pieces \$4.35 each
> 10 pieces \$4.25 each
>
rest snipped too...

Date: Sun, 13 Dec 1998 22:32:40 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [27259] Sierra on 30m
Message-ID: <199812140432.WAA12366@sunburst.usd.edu>

Hi gang:

Put the Sierra on 30m around 0100Z and band was open -- OH3, 6Y5, SM3, and UT5/mm Chile in first half hour. Well, the first time on with the SST was great. Wayne's charm must still work!

73, Ade

Date: Sun, 13 Dec 1998 22:41:41 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-1@lehigh.edu
Cc: aweiss@usd.edu
Subject: [27260] Sierra Driver Voltages????
Message-ID: <199812140441.WAA15447@sunburst.usd.edu>

Hi gang:

I have a question about the PMO output and drive to the base of Q6 on the Sierra. The output voltage of the PMO at R24 is as follows:

80: 0.36p-p
40: 0.27p-p
30: 0.24p-p
20: 0.14p-p
17: 0.12p-p
15: 0.12p-p

The drive voltage to the base of Q6 is as follows:

80: 1.1p-p
40: 0.9p-p
30: 0.6p-p
20: 0.4p-p
17: 0.2p-p
15: 0.2p-p

Is this much fall-off vs. increasing frequency normal?

Power output of course follows down.

Thanks for any info!

72, Ade

Date: Mon, 14 Dec 1998 04:47:45 +0000
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [27261] 10m Contest and Antennas
Message-ID: <36749871.184C3483@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

It was SUPER to hear so many stations on 10m. I hope many of you had a chance to get up there and play.

Here is my small score. Many other QRPers had far better scores than this!

CW Only

Total operating time = 16 Hours, 14 Minutes.

BAND	Raw QSOs	Valid QSOs	Points	Mults	Countries
10CW	440	432	1740	52	28
Totals	440	432	1740	52	28

Final Score = 139200 points.

Here is something to think about.....

Most of you know that I have a yagi at 85'. I also have a DX77 vertical on another tower at about 30'.

During the contest almost 90% of the time the US stations were louder on the vertical. The only EU I worked was on the yagi and I could not hear him on the vertical.

The Caribbean was about a toss up. SA was better on the yagi.

On Friday eve and Sat eve, the JA's, VK's, ZL's and etc. were much better on the yagi.

Late this afternoon (Sunday) the vertical was better for the early

opening and the yagi just started to get the edge just before the contest ended.

This just goes to show that you can never have enough antennas!

Now all I have to do is figure out how to get Carol to believe that..... :-)

Enjoy,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: 14 Dec 98 00:13:06 EST
From: Roy Lincoln <wa4dou@usa.net>
To: owner-qrp-1@Lehigh.EDU, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27262] Re: [10m Contest and Antennas]
Message-ID: <19981214051306.21954.qmail@www0t.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ron,

At 2-1/2 wavelengths high, it stands to reason that the yagi would be better suited to real long haul stuff, and the vertical, with its rather broad lobe, better suited to a variety of paths that were in the yagis deep nulls(between the narrow lobes). 73 Roy WA4DOU

It was SUPER to hear so many stations on 10m. I hope many of you had a chance to get up there and play.

Here is my small score. Many other QRPers had far better scores than this!

CW Only

Total operating time = 16 Hours, 14 Minutes.

BAND	Raw QS0s	Valid QS0s	Points	Mults	Countries
------	----------	------------	--------	-------	-----------

10CW	440	432	1740	52	28

Totals	440	432	1740	52	28

Final Score = 139200 points.

Here is something to think about.....

Most of you know that I have a yagi at 85'. I also have a DX77 vertical on another tower at about 30'.

During the contest almost 90% of the time the US stations were louder on the vertical. The only EU I worked was on the yagi and I could not hear him on the vertical.

The Caribbean was about a toss up. SA was better on the yagi.

On Friday eve and Sat eve, the JA's, VK's, ZL's and etc. were much better on the yagi.

Late this afternoon (Sunday) the vertical was better for the early opening and the yagi just started to get the edge just before the contest ended.

This just goes to show that you can never have enough antennas!

Now all I have to do is figure out how to get Carol to believe that..... :-)

Enjoy,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
 QRP ARCI #8829-----NorCal #330-----QRP-L #17-----ARS #49
 AR QRP #150-----DM09cg-----New Washoe City, NV

 Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Sun, 13 Dec 98 23:16:37 -0500

From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [27263] Re: WB0WQS/QRP posting
Message-ID: <199812140514.AAA49656@nss4.cc.Lehigh.EDU>

Yep, worked Kelly today on 40M.

I was using a new TT1340 that I had in the box for a long long time. It had the new double sided plated through boards. Not the boards in the first production run. :-)

A joy to build and a joy to operate. But Kelly did not mention an important note. This was at 2W on my end. Up from the long long time at 0.95W. Going after DX now and need the extra power. I'll be trying to work all the QRP-L numbers on 40M over the remaining part of winter and up until the thunderboomers make 40M unbearable in the Spring. Hey, the grass is still green in Dallas. We have yet to have an official freeze at DFW airport....

When Kelly was sending his QTH I wrote ahead, since he was sending Aurora, the state of CO. Much to my surprise when he sent MO. Trying to see if I know the code? :-)

Always a joy to work the group on the air. Look for me on 40M at night and 17M during the day..... I worked another member of the QRP-L gang at some awful hour of 2am local. :-) Never know when this crowd operates....

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Mon, 14 Dec 1998 00:23:21 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>

To: Dave Fifield <fifield@pacbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27264] Re: 40673 FS: At *WHAT* Price!!!!?????
Message-ID: <Pine.LNX.4.03.9812132343590.687-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If anyone is interested in acquiring these parts...please contact Dave.

He can do better than save \$2.70 per piece..... He might be able to get them for *FREE*

Sorry for any inconvenience this may cause for any parties involved. It seemed like a worthwhile idea. When you locate the box of these parts at the price that you listed (\$4.50 for the whole box!!!); then drop me a note. I will forward a check for \$4.50. Those that are interested could forward a SASE for as many parts as they need from you, Dave. You can *stuff* the envelopes.

I know *a-lot-of-people* that would like *quite* a few of them .

As of this point I am withdrawing the offer of coordinating the purchase of these devices. Thanks for the info Dave, it saved me a lot of my time and effort.

Happy holidays to All.

73,

Jim N2go

On Sun, 13 Dec 1998, Dave Fifield wrote:

> People,

>

> Please do your homework. The 40673 device may be difficult to get

> hold of for a reasonable sum these days, but \$4.50 each, C'mon!!!????
> I'll bet that the whole box cost only a bit more than this mil. surplus!
>
> You can buy a perfectly good replacement device like the 3SK51 from
> companies like Dalbani (1-800-325-2264) for \$1.13 each. In fact, the
> 3SK51 is a better device IMHO.
>
> Just because RF Parts thinks they can get \$6.95 for them there's no
> need for price gouging to break out everywhere. Watch your money
> folks...
>
> Dave Fifield, AD6A
>
> On Fri, 11 Dec 1998, James Skalski wrote:
>
> >
> > If anyone is interested in owning some of these to build projects from old
> > qst,ARRL handbook, solid state design for the radio amateur...This may be
> > the last opportunity. I have located someone that has a box stashed away.
> >
> > These are the RCA 40673 N-dual-gate FET
> snip
> > The pricing is as follows:
> >
> > 1 piece \$4.50
> > 5 pieces \$4.35 each
> > 10 pieces \$4.25 each
> >
> rest snipped too...
>

Date: Mon, 14 Dec 1998 01:06:14 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <jskalski@buffnet.net>
Subject: [27265] RE: 40673 FS: At *WHAT* Price!!!!?????
Message-ID: <000701be2727\$db1d4950\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well thanks a lot Dave... I cannot tell you how much I appreciate your
saving me all that money. Of course, it might be that I don't LIKE or USE

substitute transistors-unless absolutely necessary. It could be that there aren't a lot of REAL 40673 MOSFETs available-and it is ABSOLUTELY true that there aren't any available below that RF Parts price. I just cannot thank you enough for not just offering your opinions, but furthermore, doing so in a sufficiently critical manner that Jim has withdrawn OUR deal-that is MINE and HIS-and everybody else's. A deal YOU didn't want any part of to start with.

I don't blame him a bit... after all, we can all get your lousy substitute for only \$2.75. Of course, a LOT of people didn't want your substitute-we're big boys, we knew they existed BEFORE we emailed Jim wanting whatever quantities-we wanted THE 40673... and not anybody's substitute. But no... you had to go and make your smart-ass remarks and convince Jim to cancel his kind offer. All I can say after this is:

1. Jim... PLEASE reconsider... I really wanted those MOSFETs for future replacements

2. Dave: Please engage your brain before choosing to make comments that are outside your purview. If you don't want to buy any, just shut up. YOUR homework for the meantime is to think about why people would sometimes prefer a specific replacement-rather than some replacement, with Heaven-knows what kind of parameter differences. You also need to figure out that it is not in anybody's best interest to simply insult the Hell out of somebody doing SOME of us a favor. And-especially when you're NOT a member of that "SOME"-don't go making comments about how a given price for a given part is a rip-off. If you must, email the guy PRIVATELY. When people on this reflector-and anywhere else for that matter-ASK to be educated about something, go ahead. But again: PRIVATELY. I'll happily concede you know something about MOSFETs-maybe a lot... but you ignored the possibility that a person might PREFER the original part. And you know... I'll bet even RF Parts IS SELLING some of their stock of them. I would have really been pleased to get those 40673s... but now I expect I won't-and as I began this little piece, I have you to thank.

QUOTES from message

> I know *a-lot-of-people* that would like *quite* a few of them .
>
> As of this point I am withdrawing the offer of coordinating the purchase
>
> of these devices. Thanks for the info Dave, it saved me a lot of my time
>
> and effort.
>
>
> Happy holidays to All.
>

>
> 73,
>
> Jim N2go
>
> On Sun, 13 Dec 1998, Dave Fifield wrote:
>
> > People,
> >
> > Please do your homework. The 40673 device may be difficult to get
> > hold of for a reasonable sum these days, but \$4.50 each, C'mon!!!!????
> > I'll bet that the whole box cost only a bit more than this mil. surplus!
> >
> > You can buy a perfectly good replacement device like the 3SK51 from
> > companies like Dalbani (1-800-325-2264) for \$1.13 each. In fact, the
> > 3SK51 is a better device IMHO.
> >
> > Just because RF Parts thinks they can get \$6.95 for them there's no
> > need for price gouging to break out everywhere. Watch your money
> > folks...
> >
> > Dave Fifield, AD6A
> >
>

Date: Sun, 13 Dec 1998 22:32:54 -0800
From: Dave Fifield <fifield@pacbell.net>
To: James Skalski <jskalski@buffnet.net>, QRP List <qrp-l@lehigh.edu>
Subject: [27266] Re: 40673 FS: At *WHAT* Price!!!!?????
Message-ID: <3674B116.2C8CC889@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Please don't contact me folks, I'm not a component supplier and don't any of these parts for sale, nor will I be organizing a group buy for them.

If you need 40673 equivalents, use the 3SK51 or similar (e.g. 3SK50, SK3050) device. Here are some sources:

Dalbani: 3SK51 @ \$1.13 - phone 1-800-325-2264
Mouser: 599-SK3050 @ \$2.93 - phone 1-800-346-6873
or <http://www.mouser.com>

There are more, I just don't have them to hand at the moment.
There are other equivalents too....check out the qrp-l archives.

IMHO, this is indicative of the way things are going to go with all our through-hole components in the next few years as the world's electronics manufacturers need for them declines to zero. All our standard parts are going to become rarer than hen's teeth.

In fact, I'd love to have used a couple of DG-MOSFETs in the Norcal 20, but their relative rarity precluded that - they make great IF. amps as you can apply AGC directly to gate 2.

We'll see prices steadily increase as supplies dwindle. Then we'll see stashes of parts appear at sky-high prices (aka gouging) on the grey market. My advice:

- a) Stock up now if you think you may want to build something later.
- b) Stick to your guns on what you'll pay for the parts. Keep your old pricelists around to compare with.

Just my 2c worth. Trying to save y'all a buck (sorry Jim, won't let my pals spend money unnecessarily, even tho' your parts sound like they are the genuine RCA ones).

OTHOH, if you need teflon covered colored hook-up wire or mini-50 Ohm teflon coax...then Jim is definitely your man...there is NO other source for this stuff at any reasonable price. Jim has the market cornered on that stuff...I bought tons of it from him...and I am VERY pleased with the deal I got.

Balance in all things...

Dave Fifield, AD6A

James Skalski wrote:

>

> If anyone is interested in acquiring these parts...please contact Dave.

> He can do better than save \$2.70 per piece..... He might be able to get

> them for *FREE*

snip

Date: Mon, 14 Dec 1998 01:57:29 EST

From: we6w@juno.com (Ed Loranger)

To: qrp-l@lehigh.edu

Subject: [27267] Drifting VFO's and the project shelf.

Message-ID: <19981213.224611.7967.0.we6w@juno.com>

I guess after a while it gets boring watching the VFO drift up and down by 300 Hz or so...I will soon start on the OHR-100 fixes, but it seems daunting.

Action. That's how it gets fixed. Gotta unscrew the thing and set up a temporary mount for various capacitors and haul the soldering iron into the house along with 50 pounds of parts.

Pretty good plan, except for the 50 Pounds of parts! It is that kind of thinking that keeps projects on the shelf and I was thinking last week I'd compose a witty email toiling over all those thoughts I believe exists in many of the minds of my ham friends. Maybe plan on getting one part at a time :) And I've got a nice pile of parts, old projects etc. Some working, most just stored "future" ideas. Don't know what to call them.

Thinking about storage.
If it isn't seeing use every once in a while, it is a collection. Hee, he, he -- big grin!

You should see my collection.

We've all been there I'm sure -- print out some schematic, open up a project book and get all worked up and excited: "I can built this!" Now let's get the parts, the hardware, Oh? What's this? Man, that old gas soldering iron in the drawer, I've had that since I was a kid. Hey. Remember this? -- Three slide rules and 2 books on advanced mastery of the slide rule. Just think, you saved it cuz it had all them hard to find formulas with mass and force equations when you decide to mathematically prove gravity can be overcome.

And mom always says: "Give Eddie some wire and he'll build a space ship." Bless her.

I used to really get a bit testy with myself -- what do you mean, Ed? You didn't finish that old project over there yet?!!!! Yes folks, I once had a bicycle with electric motor for generating electricity. "You kids want to watch TV? PEDAL THIS!" Oh yeah, father of the year someday... They were glad I had a weak moment -- to the dump.

But I've come to see antiques as idea buckets. Each one a story of what could have been and promise that, with work, it still can be achieved. Only the failures get thrown out. So, unwilling to admit failure, we collect our past.

This is not bad. No -- it is good. For reuse, reduce and recycle ring daily as the proper path. So we reuse, we reduce, and I ride my bike daily.

I'm sure I got two of those right :) Especially when I mention the "Plan". I "plan" to reuse that stack of PC boards. I'll reduce them to parts and fill those empty organizer bins! And then punch little "Manhattan Style" pads from the remaining copper and proceed with the right glue to create my Manhattan Dead-Bug rig.

I'm getting better at emptying the project shelf. If I want to build a new tuner, I have to "Need" a tuner. So put the old one in a box and tape it, and label "Baby Clothes". Just be careful the xyl doesn't send it to cousin Freda in Montana...

By golly you'll build that tuner now. So it is that the Drake TR-3 is packed so I may again become one with my OHR-100.

And likewise the radiokit will be out afterwards and the NN1G on 30 Meters and fix that TR Switch for the Johnson Viking II so I don't accidentally blow the gen-coverage rcvr again by overcoupling the antenna or having the extended whip hit the loop by accident...

So I am replacing "wants" with "needs" and I'll get those projects done.

Probably no better way to practice Iambic keying than to strip the bug down for some serious sanding and refinishing.

It may take 50 pounds of parts, but I'll never start if I think that. Better I look at carrying one part at a time.

And it will get done. I will fill my need. The OHR can be 'Rock' solid as they say.

Shack Ramblings and this homebrewers motivating special brought to you by M93M/P3 "27"

P.S. For those wonder what I said, well, this is a motivational post: Let's not be hindered on what seems

as an overpowering Homebrew/Antenna project. It may be your first. But you can do it! And for us that have many projects, some dating back to well, let's play with them again, or fix them up. Start small and you will succeed.

Good night all. "72" Ed/WE6W
dit dit

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Dec 1998 02:06:57 -0500
From: "John L. Horton" <jhorton@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27268] RE: 40673 Price is not the only thing to look at.
Message-ID: <3674B911.FD8523C3@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been lurking here and I remember while working at RCA in the early 70's some projects that we built using generic parts would not work and would work only with the specified part in the circuit. We tried to use the SK series stuff and it seldom worked and I think that a lot of tech's will agree. I have used the old stand-by i.e. 7400 series and while using the TI's stuff in some critical circuits some of the other manufacturers stuff would not work because of timing considerations. You have to look at the Specs very carefully to see that they are 100 % compatible. Each manufacture has his own process and may lead to a pF of capacitance more or less, here or there and that in hi-speed circuitry will kill you.

While you are talking about FET's the manufacturing processes are identical to the logic stuff and the same applies to the FET's Specs. You can try the generic part and it may work and then again it may not. Just how many times can you unsolder a part before you ruin the board. Some of us more than once. This is where SPECSMANSHIP is important. If the manufacturer is honest and copies the process exactly IT still may not work. If he changes the internal geometry of the circuit it could throw the internal circuitry off just enough to cause problems. I have

seen it! Then more specific the application the better the chance that the generic part won't work

John KE7CW

Date: Mon, 14 Dec 1998 01:57:47 -0600
From: mjfitz@uswest.net
To: qrp-1@Lehigh.EDU
Subject: [27269] HOMEBREW REGEN RCVR
Message-ID: <3674C4FB.DD13741B@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Homebrewers,

Check out Nov/Dec "QEX" (experimenters journal from ARRL) for a great article on homebrewing regens. Charles Kitchin, N1TEV, has written a nice little piece and if you've ever wanted to operate a regen, read on. Built his "Junk Box Special" here with parts on hand(YES-all of them!) and the performance is nothing short of amazing. This is not an amplified xtal set! My "Special" covers about 3.2 to 12.1 Mhz and easily drives a speaker. Strong SW stations come booming in with surprising fidelity. You can copy AM, CW, and SSB. Kitchin's throttle-capacitor circuits are simple, highly effective, and easy to operate. This is one "project" that has quickly become an "appliance"--makes a great WWV/SW monitor! Main parts for the "Special" --2N2222 RF amp, MPF102 detector, 386 audio amp, couple-three air vari-caps from some defunct AM sets, 35 mm film can for coil form, 10K pot, few caps, few resistors....need I say more??? build it! I'm collecting the parts now for the second radio in the article, a high-performance version with plug-in coils and a low-noise op-amp for the audio. It uses a 2N2907 RF amp and a J310 detector....Check it out! Mike KI0AF Mo. Valley, IA

Date: Mon, 14 Dec 1998 09:27:24 +0100
From: Alen Mitrovic <alenm@hermes.si>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [27270] Not Qrp related- for "stamp collectors"
Message-ID: <7519EA69A7D4D111916400A0C955EF61B8ABF9@ha19000.hermes.si>
Mime-Version: 1.0
Content-Type: text/plain;
charset="windows-1250"

Hi fellows Qrp-ers!

I had my winter shack cleaning and I have found some used Slovenian post stamps in very fine condition (I used to collect stamps). I would like to give them away to serious stamp collector for free.

best 72/73 de Alen / S53MA

> -----
>

Alen Mitrovic

HERMES SoftLab	Phone	: ++386 61 1865 323
Litijska 51	Fax	: ++386 61 1865 270
1000 Ljubljana	E - mail	: alenm@hermes.si
SLOVENIA		: S53MA@hermes.si
Europe	WebPage:	http://www.hermes.si/

Personal Webpage: <http://www.qsl.net/s53ma>

Date: Mon, 14 Dec 1998 04:36:01 -0500 (EST)
From: malman@world.std.com (joel malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [27271] 10m Contest
Message-ID: <199812140936.AA23963@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yes, 10m was open and 10m was fun even for the part time contesters like me. I think 10m is going to become one of the QRP'ers fav bands.

I worked the ARRL 10m contest on and off during the day on Saturday and Sunday. I don't have a big antenna, just a G5RV up in the woods. Power was 4 watts, and all logging, dup sheets were done on paper. At about 5pm local time, 10m naturally shuts down completely so the contest is a daylight-only thing around here.

My modest results were:

QSO Points

CW: 147 Q's at 4 points = 588

Phone: 36 Q's at 2 points = 72

660 QSO points

Mults, CW: 51 Phone: 19 70 mults

Score: 660 x 70 = 46,200

I also heard the mentioned ZL2 calling "CQ contest" on phone (with no takers). I tried, but he never heard me. Best phone DX for me: Zambia. Most unusual CW DX for me: Faeroe Islands.

I think the mid-west and west coast has a W/K mult advantage in this contest. They can get all the small East coast states as mults, but the East coast stations can only get the (few) West coast states. Sigh.

--

/joel K1QM (Ex-wa1qvm) Concord, Mass.

QRP-L 337, QRP-ARCI 9305, NorCal

Date: Mon, 14 Dec 1998 04:23:17 -0500

From: notajock@juno.com

To: qrp-l@lehigh.edu

Subject: [27272] Re: 6 Meters

Message-ID: <19981214.044539.-141955.0.notajock@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

LSDGreetings one and all

The posta about the 6M transverter reminded me of the AM on the band in the bad ol' days, the mid 60's, when I was a new ham. In those days, I used an SX24 receiver with a converter that converted into 20M. The transmitter was a Sixer that used crystals in ft243 holders. I did

upgrade to using a Lafayette Radio 6 and 2 meter vfo. The crystals were in the 8 Meg range and frequency was figured by tripling to 24 megs and then doubling into 6 meters.

Also check out the 2 watt ssb from the Norcal proceedings.

Cheers

Bob, WA9LSD

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Dec 1998 05:14:50 EST
From: DaveLeDuc@aol.com
To: qrp-1@Lehigh.EDU
Subject: [27273] FS: TenTec Argosy I
Message-ID: <4ffd7316.3674e51a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a TenTec Argosy I for sale. This is the rig that can switch between 5W and 50 watts output. It covers 80 thru 10 + 30 meters CW and SSB. It has a few scratches on the top cover the faceplate is in good shape. The PTO is very stable. It includes the crystal calibrator and 224 audio filter.
\$300 plus shipping from 03858
73 Dave K1EPJ

Date: Mon, 14 Dec 1998 04:07:01 -0600
From: hudog <hudog@sparc.isl.net>
To: qrp-1@Lehigh.EDU
Subject: [27274] WTB: LDG AT-11
Message-ID: <3674E344.93D0963E@sparc.isl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm looking for an LDG AT-11 either assembled in good condition, or still in kit form if anyone has one. I'm also interested in hearing as to anyone's experience with how well it works at less than the 5 watt

input minimum rating by LDG.

thanks,

George N0GH

Date: Mon, 14 Dec 1998 05:47:17 -0500
From: "Brian J Keegan" <brimail@home.com>
To: <njqrp@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [27275] Re: Survey of simple receiver projects
Message-ID: <000601be274f\$44525a60\$12960318@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Dan's also offers the "Traveler", an 80m superhet receiver featured in 73
>magazine for Oct 1994 ... for \$39. Kit includes pcb and all parts.

FYI: A group of us in our local club are building "Travler"s as a simple
kit building project. We learned Dan is discontinuing this one. Matter of
fact he just sold the last one last week. However he said he would put some
together for us if we ordered at least 6. We chose the "Fireball 40" (from
NJQRP) to be our companion transmitters.

Brian KF2HC

Date: Mon, 14 Dec 1998 21:42:06 +0900
From: "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>
To: "QRP-I ML" <qrp-l@Lehigh.EDU>
Subject: [27276] OHR-500 VFO modify
Message-ID: <199812141242.VAA03810@inv.co.jp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello QRP'er! de JG1RVN Toru in Tokyo.

It is getting cold here and we can see Mt.Fuji
from Tokyo as the air is clear.
It was capped with white snow, beautiful !

By the way, I tried OHR-500 modify again.
My experiment data as follows.

(1)C154 NPO capacitor

I changed it for 8pF NPO type capacitor.
Then VFO cover range became 996-153kHz. Nice!
cf;My OHR-500 used 24pF original as it was early model.
Once I installed 10pF trimmer cap but NPO type was better.

(2)C141 680pF VFO's FET policap

I changed it for parallel 561J Mica (560pF) and
121J NPO capacitor (120pF) . "560+120=680pF"

Modified OHR-500 VFO drift data

Time	Freq	Drift
0min	7,000.0	start
5min	6,999.8	-200Hz
30min	6,999.7	-300Hz stabilized

(1998.DEC.14. 15C indoor, using DD-1. Tokyo Japan Asia.)

Please try several times to find your best choice.
(value or kind of capacitor)
As the best VFO's cap data may be changed depend on
your QTH's average temperature or humidity.
If you change capacitor, please leave it at least
48hours after soldering it to avoid solder's heat influence.

I like this OHR-500 very much and I heard XZ1 V63 T88
on 15m or 20m band. Nice S/N ratio indeed.I felt some RFI to
side tone when using AF filter ON and AF gain MAX and
MAX power. I should try some modify.

I have Dipole(40m)/3ele(20m)/4ele(15&10m) multibander yagi 25mH.
(Also I made SST, SW+, OHR-100, Pixie2, GM...)

See you on the air. Thanks many many good advice OM's.
72 from Tokyo.

Toru Kato JG1RVN
jg1rvn@inv.co.jp
QRV since 1974
JARL QRP CLUB #508

Date: Mon, 14 Dec 1998 08:40:47 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Dave Fifield <fifield@pacbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27277] Re: 40673 FS: At *WHAT* Price!!!!?????
Message-ID:
<Pine.LNX.4.03.9812140820090.1553-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 13 Dec 1998, Dave Fifield wrote:

> Please don't contact me folks, I'm not a component supplier and
> don't any of these parts for sale, nor will I be organizing a
> group buy for them.

> IMHO, this is indicative of the way things are going to go with
> All our standard parts are going to become rarer than hen's teeth.
***>
> In fact, I'd love to have used a couple of DG-MOSFETs in the
> Norcal 20, but

> great IF. amps as you can apply AGC directly to gate 2.
> ***
> We'll see prices steadily increase as supplies dwindle. Then we'll
> see stashes of parts appear at sky-high prices (aka gouging) on the
> grey market. My advice:
>
> a) Stock up now if you think you may want to build something later.
> b) Stick to your guns on what you'll pay for the parts. Keep your
> old pricelists around to compare with.
>
> Just my 2c worth. Trying to save y'all a buck (sorry Jim, won't let
> my pals spend money unnecessarily, even tho' your parts

Dave,
You've just pissed off about half of your pals.
You insist on using words like "gouging" and insinuating that there is
something sinister. You would have been much more credible if you *would*
organize a group buy. This way you could help trouble shoot things that

that *should* work but don't seem to play.

You must also, in fairness, mention that a lot of parts houses have minimum purchase orders of \$25, and \$50 plus shipping charges that don't always seem to be in line with any shipping charts that I own...

BTW if you run out of tfe wire ...I will give *you* some sources.....Start saving now. :-)

Please...anyone else reading this. Don't respond. It is apparent that this will be non-productive. Life is too short. Repeat...this is only a hobby..... I won't be cancelling out my surgical schedule to go into the *parts-gouging*business any time soon...:-)

Happy Holidays

Jim N2go

Date: Mon, 14 Dec 1998 05:47:57 PST
From: "Jeff Hahn" <kr4ys@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [27278] Re: Mini-L: RS Lookout!
Message-ID: <19981214134758.16702.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

The proposed project seems to me that it will be a work in progress. I am considering building the MINI-L on a breadboard to make it easier to test and incorporate the inevitable suggestions for improvement.

Jeff Hahn, KR4YS

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 14 Dec 1998 06:54:54 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27279] Re: 40673 FS: At *WHAT* Price !!!!!?????
Message-ID: <3674B63E.423F46E5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is it a full moon? Pse don't start this stuff up again.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Mon, 14 Dec 98 08:47:38
From: Chris <c_sieg@conknet.com>
To: qrp-l@Lehigh.edu
Subject: [27280] Stripping enamel wire
Message-ID: <Chameleon.913643505.c_sieg@mecs.conknet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Folks,

I have a bunch of small transformers to wind, for a project I'm working on, and need a speedy way to strip the enamel coating off of the wire. The wire size is in the AWG 32 - 24 range. Does anyone know how to do this? Hopefully there is some kind of chemical dip.

Thanks for your help,
-Chris

Name: Chris WA3LDI
E-mail: Chris <c_sieg@conknet.com>
Date: 12/14/98
Time: 8:47:38 AM

Date: Mon, 14 Dec 1998 06:54:05 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Ed Loranger <we6w@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27281] Re: Drifting VFO's and the project shelf.
Message-ID: <Pine.BSI.3.96.981214065227.19753C-1000000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 14 Dec 1998, Ed Loranger wrote:

> I guess after a while it gets boring watching the
> VFO drift up and down by 300 Hz or so...I will
> soon start on the OHR-100 fixes, but it seems daunting.
>

There will be a pair of articles in the March 1999 issue of QRP Quarterly that will discuss a low-drift VFO circuit that's been around for over 50 years. I only learned about it by editing the first article, then wrote the second out of curiosity on the subject.

```

      /-----\
     /  What's all this  \
    / extinct stuff, anyhow? \
   /-----\
  /
 oo\
(--) \
     \  . ' .
      \  ' '
       \  ( ) \
        \ -| )__| :. \
         \ | | | | \ '
          c__; c__; ' -.. ' > .__

```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sun, 13 Dec 1998 23:05:31 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <dsalo@pacbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27282] Re: Will antenna tuner improve RX?
Message-ID: <199812141421.JAA00105@fh106.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dan,

I had a friend who bought a general coverage receiver from Radio Shack. It

appeared to be quite a good receiver. His wife wanted to hear some religious broadcast on short wave, but the radio could barely pick up the signal and it would fade in and out of the noise.

The radio had a place to add an external antenna. My friend had done that, but it helped only a little.

He wanted me, the Ham Radio expert :-)) to take a look at it.

I took my ZM-1 with me, stuck in between the wire and the radio, tuned for the best signal and we received the station loud and clear.

All that means is that his wire antenna was not tuned to the frequency he wanted to receive, or that it presented such a high impedance to the radio that it didn't work well. The tuner corrected the impedance mismatch.

But, I think that story might answer your question in a general way. There are some conditions where the tuner would not improve the received signal.

Hope this helps.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

> All the information I see about antenna tuners only talks about how
> transmit propagation will improve through an inproved SWR. Will an
antenna
> tuner also help the receive side?

Date: Mon, 14 Dec 1998 09:34:48 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Jade Account <jadepro@jadeprod.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27283] RE: Survey of simple receiver projects
Message-ID: <Pine.GS0.3.96.981214091935.6574F-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>The other receiver is the Optically Coupled Receiver (OCR) by N1BYT that was
>featured in the June 1998 QST. It is a high-performance regenerative receive
>(Yeah, I know, that sounds like an oxymoron, but you have to hear it to
>believe it.).

Not an oxymoron (or even a nitro-idiot). Regeneration is simply a process of using controlled positive feedback in an amplifier circuit to increase the gain and narrow the bandwidth. In the 1930s, when the superheterodyne principle was fully known and used, many receiver circuits (see the Frank Jones Handbooks of the era) used regenerative detectors in preference to diode detectors. The diode detector was for "consumers," the regenerative detector--which had a control to operate--was for hams and other technical types. In their day, the designs in the Jones Handbooks were considered "hot." The Q-multiplier, which is still a viable circuit for special purposes, is simply a regenerative amplifier that increases gain within an ever narrowing bandwidth short of self-oscillation.

The two main problems folks had with simple regenerative circuits, where the input stage was both a detector and amplifier, were 1. to prevent radiation when the amplifier was placed into oscillation for CW detection and 2. to provide smooth regeneration control. The second problem was greatly eased with the use of tetrodes, where the tube gain could be controlled via the screen voltage, separating the control and the signal paths. A dual-gate MOSFET (I miss the old 40673) can use the 2nd gate for this purpose.

The N1BYT OCR is a very interesting technique for eliminating or at least attenuating the first problem. The use of preceding RF amplifier circuits used to be the standard means of getting some isolation between the the detector and the antenna.

Regeneration is still a valuable technique to remember and experiment with in order to get the most with the least number of added components--if you are willing to labor over the control problem until it is tamed. My purpose is not to recommend the circuit, but only to separate a fundamental amplifier principle from some older design implementations that cannot meet today's standards.

-73-

LB, W4RNL

Date: Mon, 14 Dec 1998 09:44:30 -0500
From: "Dave Maliniak" <dmaliniak@penton.com>
To: njqrp@njqrp.org, qrp-l@lehigh.edu
Subject: [27284] Atlanticon '99 QRP Forum registration
Message-ID: <852566DA.0050DC38.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Content-Disposition: inline

The NJ-QRP Club has organized more of the logistics for the "Atlanticon 99 QRP Forum" happening next March 26th & 27th. As posted earlier by George, N2APB, this fun-filled QRP weekend is being held in Timonium, MD on the same weekend as the huge and popular Greater Baltimore Hamboree and Computer Fest ... so in between the QRP activities you'll have a chance to cross the street and attend one of the largest hamfests on the eastern seaboard!

Okay, now for some of the good stuff ...

1) BADGES, NUMBERS and RAFFLES: We're now starting to take pre-registration of those intending to come to Atlanticon. If you let us know you're coming, we can issue you a QRP forum registration number and prepare a fabulous-looking badge for you in advance. We'll have the badge waiting for you at the Forum. A drawing will be held during the QRP forums on the 27th and the grand prize winner will receive an NorCal 20 transceiver kit! This prize was graciously donated by the Norcal QRP Club (thanks guys!). Other neat prizes will also be raffled off, based on the registration number on your badge. The badges themselves are going to be very handsome and will rival "Zombie" badges as QRP status symbols!

So, what you need to do is let me know by return e-mail that you plan to attend and we'll get your Atlanticon number back ASAP.

*** Please make the subject of your e-mails read: Atlanticon badges
In the body of the e-mail, please give me your name, callsign and mailing address.

2) HOTEL REGISTRATION: Call the official Atlanticon hotel directly for your room reservations. The entire gig is being held at the Timonium Holiday Inn Select, and you can contact them at (410) 252-7373. Mention that this is for the "Atlanticon" forum in order to get the special rates. Rates will be \$89/room ... this is a 20% discount from their normal rates, and people can double up. Be sure to reserve a room for Friday and Saturday nights in order to participate in all the QRP fun that's planned!

Okay, that's it for this Atlanticon update ... let me (David Maliniak, N2SMH) know to put you on the List and we'll get your Atlanticon number back to you. Also don't forget to call the hotel for your room reservations.

The Atlanticon '99 QRP Forum promises to be a weekend of QRP fun and great QRP talks from experts around the country. What a lineup of speakers:

Chuck Adams, K5FO
Dave Benson, NN1G
L.B. Cebik, W4RNL
Joe Everhart, N2CX
Paul Harden, NA5N
Steve Weber, KD1JV

I've personally not heard most of these fine gentlemen speak and I can't wait. If that's not enough for you, there's a Friday night hospitality suite and a Saturday night building contest and vendors' night. There's the drawing for the NorCal 20. You'll be getting all this, plus a set of conference notes of all the talks ... for free! It's also another chance to get together with each other and enjoy some of the same brand of QRP camaraderie that's been had at Pacificon, Ft. Tuthill, etc. and so on. We can't let the Westerners have **all** the fun!

Remember, there's NO CHARGE for attending the Atlanticon QRP Forum ... the NJ-QRP Club is working its tail off to put this thing on for everyone to enjoy in the best way possible. It's shaping up to be a memorable event!

For more detailed information on Atlanticon, browse on over to the New Jersey QRP Club website: <http://www.njqrp.org/atlanticon/index.html> You can also see more about the Timonium Hamfest, hotel, directions, etc. at their website: <http://www.gbhc.org/>

Thanks to all ... hope to see you there!

72/73,
David Maliniak, N2SMH
for the New Jersey QRP Club
e-mail: dmaliniak@penton.com

Date: Mon, 14 Dec 1998 07:45:32 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27285] Re: Will antenna tuner improve RX?
Message-ID: <3674C21C.D423CB55@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob Kellogg is right. Think about the steps to use a tuner.

Before you apply any power, you start cranking knobs for the best
received signal. You've just corrected the mismatch. Then you apply
some RF and tune the transmitter.

A tuned antenna is a tuned antenna...doesn't really matter whether the
rig is a transmitter or receiver, it will work better.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Mon, 14 Dec 1998 09:13:44 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [27286] Drifting VFOs, a Motivational Post?
Message-ID: <36752B28.4A4577AA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

So turning a need into a want is a motivational tool? Well, how would
you like to have staged projects throughout the house. I'm talking
about a Swan on the work bench, a Drake on the kitchen table, an Emtech
on the end table, an 829B rig on the floor, maybe a future Norcal design
project on the design table, plus 100 other projects through out the
house and today is MONDAY and you have your MOTHER coming to visit you
for Christmas for TWO weeks this Wednesday, and she is bringing with
her, her WHITE GLOVES !! (Oh, I forgot to tell you, I'm 60 years old.)
Now that, my friend, IS A REAL MOTIVATIONAL EXPERIENCE !! Lee Bahr w0vt

Date: Mon, 14 Dec 1998 09:06:31 -0600
From: Conard Murray <ws4s@infoave.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27287] Re: Will antenna tuner improve RX?
Message-ID: <008b01be2773\$5588bee0\$0a2a9595@ece.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The tuner might be curing a case of receiver overload too. The front end of
those SW portables aren't the best no tuned circuits usually. I have
seen several that get swamped pretty bad at night with the super strong
signals from Cuba and other domestic stuff like WWCR and RCI. A tuner will
help to isolate the desired station from the pack if what you are interested

in is far enough away frequency-wise from the signal that is trashing the receiver. Older radios call this a preselector.

73 and Happy Holidays!

Conard, WS4S

Cookeville, TN

Date: Mon, 14 Dec 1998 08:39:41 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [27288] K8IIJ de N0TU
Message-ID: <000301be277a\$064f3460\$91a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Dan,

That sure was fun!! Haven't been on 30m for a long while. I jammed the 30m module into the Sierra and heard some activity. So, listened while I was waiting for the soldier iron to warm up to build the 15m moduleheard ur CQ. Nice thing about 30m is the lack of QRM (most of the time). That's why I could not believe it when we started getting SSB QRM and plus a carrier on top of our QSO! Of course the fast gray zone QSB didn't help either. So, I missed ur rig (got the part about 'whip on the RV')? BTW rig here was Norcal Sierra 1w and 300' long wire run ESExW (that's almost 4 WL aimed at u!)

TKS agn it was really fun even w/QRM ...sometimes QRM makes it more of a challenge and can actually add to the fun factor! Your warm 80*f Florida beach wx sure sounded great compared to my 22*f snow on the ground and 58*f in the barn with wood stove a'blazing! Let's do it agn soon ...makes me warm thinking about it.

TU & 72Steve/n0tu Monument, CO
<http://www.webaccess.net/~s&p/HRindex.htm>

Date: Mon, 14 Dec 1998 07:51:51 -0800
From: Elliott Lawrence <edl@pacbell.net>

To: qrp-1@Lehigh.EDU
Subject: [27289] Video Monitor
Message-ID: <36753417.1BAC@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am looking for a source of 9 or 12 inch monochrome video monitors for use with a dumb packet terminal. Video is NSTC input. Does anyone have any thoughts on where I might find several?

Thanks.

72
Elliott WA6TLA

Date: Mon, 14 Dec 1998 08:57:13 -0700
From: Larry East <w1hue@amsat.org>
To: qrp-1@lehigh.edu
Cc: Chuck Adams <adams@ticnet.com>
Subject: [27290] Power Hungry! :-)
Message-ID: <3.0.3.32.19981214085713.00923bb0@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In a recent post from Chuck Adams:

>This was at 2W on my end. Up from the
>long long time at 0.95W. Going after DX
>now and need the extra power.

HOLYCOW!! Next thing you know, he'll add an "after burner" and then we will have lost 'em to the "big guns" forever! :-)

Date: Mon, 14 Dec 1998 08:08:15 +0000
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: Realtor@RayDennis.com, qrp-1 <qrp-1@lehigh.edu>
Subject: [27291] Re: My order
Message-ID: <3674C76F.6B0857D1@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Yes sir, I'm thinking that maybe you sent the order to the old Preble St. address and got messed up in a forwarding snafu. If not that then maybe just that one-in-ten-thousand regular mail snafu's.

If you'll send your snail mail address to me I'll go ahead and send you 2 out priority mail.

Scott

Ray Dennis wrote:

>

> Dear Scott,

>

> I didn't realize that Roy had passed away until I posted an inquiry on
> the QRP group wondering if the company was still in business.

>

> I sent an order on Nov 11th for a couple ladder grabbers and hadn't
> gotten them or had the check clear. We had some storm damage and I
> would like to get my antenna back up before winter seriously sets in.

>

> You probably have your hands full, but would appreciate you getting to my
> order when you can.

>

> Sincerely,

>

> Ray W0DQ

--

Scott Gregson - KC7MAS

emtech@steadynet.com

<http://emtech.steadynet.com>

Date: Mon, 14 Dec 1998 11:18:22 EST

From: we6w@juno.com (Ed Loranger)

To: c_sieg@conknet.com

Cc: qrp-1@Lehigh.EDU

Subject: [27292] Re: Stripping enamel wire

Message-ID: <19981214.080736.4903.2.we6w@juno.com>

Hi Chris, unless you are mass producing these for a commercial venture, a good old gentle scraping gets the enamel off. Pre-tin with solder and it is ready to go. I use my tri-blade reaming tool for this task. But just about any cheap knife does a fine job. Just be sure to go all the way

around the wire.

What's the big hurry? Enjoy the kit building process.

To specifically answer your question, there is a commercial machine designed for this task. It spins around the wire and has small blades to strip the enamel off. It does a fine job for large commercial runs. It removes the guess work and ensures 100 % removal.

Great for assemblers. Not really needed for tech-types with the home brew experience to enjoy.

Enjoy.

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

On Mon, 14 Dec 98 08:47:38 Chris <c_sieg@conknet.com> writes:
>Hi Folks,
> I have a bunch of small transformers to wind, for a project I'm
>working on, and
>need a speedy way to strip the enamel coating off of the wire. The
>wire size is
>in the AWG 32 - 24 range. Does anyone know how to do this? Hopefully
>there is some kind
>of chemical dip.
>
>Thanks for your help,
>-Chris
>
>-----
>Name: Chris WA3LDI
>E-mail: Chris <c_sieg@conknet.com>
>Date: 12/14/98
>Time: 8:47:38 AM
>
>-----
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Dec 1998 10:18:28 -0600
From: rbcallahan@juno.com (Robert B. Callahan)
To: Qrp-L@lehigh.edu
Message-ID: <19981214.102047.3718.2.RBCallahan@juno.com>

Cleaning out shack. Want some new equipment: For Sale: Heathkit HW-9 without band pack, VFO solid as a rock, built by myself in 1986. Few scratches on top and bottom but other wise fine. Works very well! Also a Ten Tec T-kit 40 meter version built by myself in 1997, very good condition and works very well. Asking \$175.00 for the HW-9 or best offer and \$80.00 for the Ten Tec 40 meter T-kit or best offer. Interested? Please reply by E-mail at rbcallahan@juno.com

Thanks,
Bob Callahan KC5T Qrp-L #1792

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Dec 1998 11:33:57 -0500
From: "Dave Maliniak" <dmaliniak@penton.com>
To: njqrp@njqrp.org, qrp-l@lehigh.edu
Subject: [27294] Atlanticon registration
Message-ID: <852566DA.005AE0EA.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Folks:

Just a couple of procedural points regarding your notes to me for registration for the Atlanticon '99 QRP Forum:

1) Please note that we're requesting a return e-mail to me at dmaliniak@penton.com with a subject of "Atlanticon badges." I'd like to get names, callsigns and U.S. Postal mailing addresses. If you're notifying me of attendance for more than one person, then I need that information for everyone concerned.

2) Please bear with me on acknowledgements. I'll be assigning numbers in the order in which I receive the mail from you. I *am* at work, so I'll

send out acknowledgements as soon as I can.

Thanks... looking forward to seeing everyone in March!

72, David N2SMH
for the New Jersey QRP Club

Date: Mon, 14 Dec 1998 10:43:33 -0600
From: Ed Manuel <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [27295] Need SRAM Card
Message-ID: <3.0.5.32.19981214104333.009114c0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Need an SRAM card for my little QRP computer. The computer is a Lexmark Lexbook sub-notebook (DOS only).

Need 512k or larger to store N3EQF software and other neat stuff for portable operation.

Please email privately if you have one you could spare and price. I have a couple of 38 special kits (unbuilt) for trade if that is interesting. Also, an MFJ-209 SWR analyzer and a Palomar Noise Bridge.

Thanks

Ed Manuel, N5EM
Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Mon, 14 Dec 1998 09:52:18 -0700
From: jaywa5whn@juno.com

To: qrp-1@lehigh.edu
Subject: [27296] It's Officially winter on Dec. 21, time to make some 160 meters
qrp contacts
Message-ID: <19981214.095223.-339729.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For you 160 meters fans, there is a very interesting article at the
following url about "The Cross-Field Antenna";

<http://www.antennax.com/index.htm>

QRP on 160 meters...Jay, WA5WHN DM65qd

Albuquerque, NM USA

Count down to Y2K {T - 387 days}

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Dec 1998 09:48:50 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.edu
Subject: [27297] SSB ARRL 10M
Message-ID: <199812141648.JAA29938@smtp04.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Operated CW last year so decided to try SSB this year...WOW couldn't believe
all the
activity...sounded like the SS contest with DX thrown in too. Sigs coming in
from
all directions...worked many stations off the ends and back of the
beam...guess I
need a raised vertical like Ron used. Just couldn't get NV, CO and a few
other US

but got enuf to keep me busy for around 18 hours. All S&P (tried CQ but got only two takers) and best single hour was 30 Qs around noon saturday and sunday local time. Tough working EU thru east coast but made it up when condx changed to Pac/Oceania. Almost doubled last years CW score even with only 2 pts per QSO! Worked no new ones...surprise, no dxpeditons I guess. Hope many of you got in on the fun too...be sure to send in your logs!!!

Valid QSOs	Points	Dom Mults	Countries
278	556	46	33

Final Score = 43,924 points

Gear: TS850s @ 5W, WM2 w/ssb mod, Explorer TriBand @ 42', ThinkPad w/TR 6.29
73 Floyd NQ7X Phoenix ScQRPion

Date: Mon, 14 Dec 1998 12:05:36 -0500
From: "Ronald Hands" <rhands@hwcen.org>
To: <qrp-1@lehigh.edu>
Subject: [27298] Twitchy mouse
Message-ID: <199812141705.MAA08519@hwcen.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This isn't QRP, strictly speaking, but you folks know *everything* so...

I have a Microsoft mouse which has recently become very erratic in its horizontal pointer movements. When I take the ball out and move the metal roller with my finger, I get the same erratic movements.

Is there some way of curing this? Does the roller connect with some kinda of optical sensor? Spraying a little contact cleaner into the innards didn't seem to effect any improvement.

Or does this just mark the end of the mouse's "design life"?

And, assuming I have to buy a new one, any recommended models?

Replies by e-mail preferred, unless you think there's some general interest.

-- Ron VE3SP
rhands@hwcen.org

Date: Mon, 14 Dec 1998 09:15:32 +0000

From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [27299] Need a Diskette
Message-ID: <3674D734.86A0EA2E@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I looking for someone to supply a copy of an MS Access installation diskette.

As happens with computers, my hard drive crashed a few months back and required replacement. When I got to the Access disks I found that the first one was dead. Is there anyone who can email me a zipped file of the first disk in the set. This is for Access 1.02 (I think) that shipped in MS Pro Office 4.0. The disk should have an assembly # on it 077-051-314.

I called good ole' helpful microsoft, but they cannot even confirm that they ever made such a product. Even then, if I drive to Redmond/Kirkland and show them the box I still have to buy the whole replacement set (which I'm sure doesn't exist anymore (circa '93) - can you say upgrade). Anyway, Microsoft being my favorite company this side of Heaven, I have ordered Corel Office Professional, but still want my copy of MS office to work. Please help!

--

Scott Gregson - KC7MAS
emtech@steadynet.com
<http://emtech.steadynet.com>

Date: Mon, 14 Dec 1998 00:16:47 -0800
From: Brad Bradfield <b_bradfield@yahoo.com>
To: plburbank@kih.net, qrp-l@lehigh.edu
Subject: [27300] Re: MC1310 - what kind of part
Message-ID: <3674C96F.CAE@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Naw, old parts (like tubes) are best used by old hams.

72's es 73's,

Brad, W5CGH

(ex WB0CGH)

Date: Fri, 11 Dec 1998 13:41:26 -0600
From: heatherex@juno.com (Rex E Pickett)
To: ku7y@dri.edu
Cc: qrp-1@Lehigh.EDU
Subject: [27301] Re: My 160 meter "slinky"
Message-ID: <19981214.111728.-882269.0.heatherex@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Found an add for the slinky antenna in the back of my 1981 ARRL 'Tune in the World with Ham Radio'
It was made by a company called Teletron Corp, Suite 104, Box 84, Kings Park NY 11754
Sold for \$49.95.

80/75,40,20 meter coverage by adjusting length from 24 to 70 feet.
Consisted of two 4" dia by 4" long coils with a 6 turn coax balun in the middle.
335 feet of radiating conductor.

Adjusted lengths at the ends by hooks that attached to nylon support rope.
Just hook more loops of the slinky coils to shorten the antenna!

Add claims helical loading allowed a good radiated signal at 1/10 wavelength!
Said to be in use by US Dept of State, Army etc.
Patent No. 3,858,220.

Looks like it would be easy to build, if you could find the slinkys!

73, Rex, KA7NQK

On Thu, 10 Dec 1998 08:27:13 -0800 (PST) Monte Stark <ku7y@dri.edu> writes:

>There used to be a company that made a slinky antenna.
>
>Didn't I see an add just a short time ago from someone
>like the Wireman with one?
>

>73, Ron, SOWP 5545M,
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
>
>

Date: Mon, 14 Dec 1998 09:28:51 -0800
From: "Jim Johnson" <km7h@gte.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [27302] FT/FT: High Mound BK 100-Make offers
Message-ID: <000101be2787\$3c2b6e20\$28fd2399@km7h>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This "bug" is in good operating condition, but not an item of beauty. The paddle has been broken and "healed" with epoxy by some previous owner. Seems plenty strong and is only a little rough in appearance. Plastic cover has a couple of crack.

I would be most interested in a decent single lever paddle key, but will consider cash and other trade offers.

Jim Johnson, KM7H
Mukilteo, WA
QRP ARCI #3497

Date: Mon, 14 Dec 1998 10:55:35 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'Chuck Adams'" <adams@tcinet.com>, "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [27303] Elmer 205
Message-ID: <01BE2750.48881F60.bmug@gwl.com>

Thanks Chuck, I really need this. I like the idea of being able to see what a circuit is suppose to do without building it (even if I did build it I don't have the equipment to test it anyway).

For those with the 1996 Handbook the Reference table for this circuit is 30.20 on page 30.27.

Thanks again,

de KI00T, Brad (AKA KB0ROL)

PS - my life is slowing down so I hope to start FOX hunting soon.

Date: Mon, 14 Dec 1998 10:11:12 +0000
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: rhands@hwcn.org, qrp-l <qrp-l@lehigh.edu>
Subject: [27304] Re: Twitchy mouse
Message-ID: <3674E43F.88B2CD22@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

most mice are opto-mechanical. Their is a litttle plastic wheel with slots in it that lets the light thru etc. Anyway some times dust-bunnies get in there and block the light thus fouling the system. Sometimes things just die also.

Try blowing the thing out (static free air, like fom your lungs), the only moving parts are the ball and the wheels. If you need to disassemble the mouse they are 'usually' rather simple, no springs fly out etc. I usually just remove the ball and give it a good blow.

Hope that helps.

Ronald Hands wrote:

>
> This isn't QRP, strictly speaking, but you folks know *everything* so...
> I have a Microsoft mouse which has recently become very erratic in its
> horizontal pointer movements. When I take the ball out and move the metal
> roller with my finger, I get the same erratic movements.
> Is there some way of curing this? Does the roller connect with some
> kinda of optical sensor? Spraying a little contact cleaner into the
> innards didn't seem to effect any improvement.
> Or does this just mark the end of the mouse's "design life"?
> And, assuming I have to buy a new one, any recommended models?
> Replies by e-mail preferred, unless you think there's some general
> interest.

>
> -- Ron VE3SP
> rhands@hwcen.org

--
Scott Gregson - KC7MAS
emtech@steadynet.com
http://emtech.steadynet.com

Date: Mon, 14 Dec 1998 13:29:03 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [27305] 10m ssb contest
Message-ID: <3.0.5.32.19981214132903.00825c70@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

well folks I didn't think I'd do it, but well after poking about on 10m for grins I decided to just answer a few cq contests ssb and see what happend. Well heard one op calling and calling with no replies. So, ok, I didn't log the cotnacts and really it was just a snap decision. I am sure they'll count for him either way. I wasn't serious, but in any case answered his call with about 3 or 5 watts out of my Omni with a mini g5rv in the attic. Not bad ay? In any case answer one or two calls and that was enough for me. Went back to 15m looking for cw contacts. Afterall, working on that 13wpm so ssb has to take a backseat at the minute. It was kinda fun, but only if I could have told them about my setup.<g>

72/73 de Scott/n3byy

Date: Mon, 14 Dec 1998 19:39:29 +0100
From: "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
To: <qrp-1@lehigh.edu>
Subject: [27306] Yet another PIC DDS controller! (AD9832)
Message-ID: <199812141839.TAA14685@mb07.swip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi all

Inspired by the work of Curtis Preuss and others, I wrote a DDS control program for the AD9832. The program fits in a PIC16C84. It has rotary

encoder input (linear tuning), selectable step size, dial lock input and optional readout divide-by-four (for DC receivers with f/4 counter in = I/Q mixer such as Tayloe detector, R2 with flip-flops etc). Display is a standard HD44780 type. Frequency range is 0 Hz to 6 MHz with 1 Hz steps.

There may still be some bugs in the code but the prototype seems to work = fine.

I will email the code to anyone who is interested (native PIC code / = Mpasm).

73/72 de Johan Bodin, SM6LKM

Date: Mon, 14 Dec 1998 13:40:58 -0500
From: "Ronald Hands" <rhands@hwcen.org>
To: <qrp-1@lehigh.edu>
Subject: [27307] Re: Twitchy mouse
Message-ID: <199812141841.NAA24146@hwcen.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for all the help on my mouse problem.

Blowing into it seems to have cured it, for the moment anyway. Which suggests that there was some dust obstructing the optical sensor; the ball and the rollers themselves seemed quite clean.

Knew I could count on you...

-- Ron VE3SP

Date: Mon, 14 Dec 1998 19:13:28 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [27308] Elmering and Operating.
Message-ID: <36756358.29D8@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Friends, I joined this group in April 1997. In this time I've spent countless hours researching many of the 'best' answers I could provide for some of the technical questions directed to the group as well as me personally.

It has been a good road to travel. At one point I carried my ARRL 1974 manual to/from work. Then the 1974 Antenna booka and my Kraus Book on antennas too. The Henry Jasik book with numerous commercial application publication chapters on antennas has also been a great research tool.

Disemminating accurate information is a lot of work.

I have enjoyed intensive email contact with individuals as we worked to get them on the air and/or solve problems unique to amateur radio operation.

Recently I've seen a pattern where try as I might, I can't get them to hook up the station and use the key.

Ergo I posted my homebrew/shack collection rejuvenation message. Emphasis on going from "Want" to "Need".

Promise yourself to get on the air, even if it is 1 watt to a 10:1 SWR or UNKNOWN SWR antenna cut from formula. You don't have an RF Connector? Solder some wire to the rig and try it out. I use alligator clips and hook up wire if I have to.

I made my first 2 qso's in 1984 or so with 20 feet of wire on 40 meters that was run from the kitchen table and tied to the curtain rod inside the house! I was running 80 watts or so and got AZ twice. My 3rd qso was in 1997 when I built a pixie2 connected to 36 AWG magnet wire running out the door of the garage and along the top of my wood fence for about 60 feet.

Getting ON the road to operating your rig is the first step in seeing how to make that road better.

Step 1:

Select Band.

Decide center-fed or end-fed wire or Vertical pipe. Put it up somewhere easy to take down or put up so you can easily get involved with improving the antenna.

Length in Feet is $468/\text{Frequency in Mhz}$. For a 1/2 wave wire.

Cut in the middle for center feeding.

Hook up and alligator clip pair to your rig and clip on the wire best you can.

Don't like math?

BAnd half wave approx: Feet.

80	130
40	66
20	33
15	22
10	16.5 feet

Afraid to Transmit??? Hook it up and start listening.
Promise to listen each night and get in the swing of it.

Want to try a qso? Scared? I was.

Write this down and tape to your rig:

Calling: CQ CQ QRP de WE6W WE6W/QRP AR

QSO:

1st exchange) RST Name QTH Power, HW Cpy NW?

2nd exchange) FB Tks for call, rig here is ____,
antenna is ____, WX ____ Temp __ deg. F/C

3rd exchange) FB on your Rig es Ant. doing good job.

4th exchange) Key is ____, Been ham __ months/years.

5th exchange) Tnx/tks FB QSO es hpe cu agn 72 GE/GM/GA/GN
(Good Evening/morning/afternoon/night, GB goodbye or
God Bless)

SK Hiscall DE Yourcall SK TU e e

6th exchange) R GN ee

You may get a qso using a dummy load as has been demonstrated!

Soon you'll be feasting on QSO's and no more sweaty palms!
Been there.

No rig? My main rig this week is my Pixie2 running 600 mW off
a 12 Volt 2.3 AH Gel cell. 150 mW off a 9Volt TX battery if you
go that route. But the 12 to 13 volts at 170 mA gets 600 mW from
a 2n2222A metal transistor. Or use a 2n2219! Or 2n5109.

Got RF?

-Ed

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 14 Dec 1998 12:19:46 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27309] RE: Survey of simple receiver projects
Message-ID: <Pine.OSF.3.91.981214121819.30009B-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The OCR by N1BYT is great! I built one and it performs much better than most other regens. I recommend it strongly.

Jim Rybak W0KSD

Date: Mon, 14 Dec 1998 14:25:02 EST
From: Mercxx@aol.com
To: antennas@qth.net
Cc: qrp-l@lehigh.edu
Subject: [27310] St Louis Vertical
Message-ID: <d33cdf98.3675660e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

I have been looking at W6MMA's set up for the ST Louis Verticals. What is the general consensus on it? Negative and positive opinions are welcome. I am looking for a good portable set up and saw his sight on the internet.

Thanks in advance,
Steve
N4TKP
FIST 4922
QRP-L 1763
"de oppresso liber"

Date: Mon, 14 Dec 1998 14:57:09 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>

To: qrp-1@lehigh.edu
Subject: [27311] Gel Cell Bonanza!
Message-ID: <199812141943.0AA27595@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Wow, someone walked in my shop today and gave me a ton of gel cells. Apparently pulls from stand-by equipment at the local hospital, where he works. He's been saving them but is moving soon, so asked if I wanted them. Sure, what the heck!

So, there were nearly 30 batteries in the boxes. Most of them 6V at 7.2 AHr. Couple of 12Vers for good measure. Only 4-5 of them have no charge and probably dead.

Guess I'm all set for Y2K now :-)

In the mean time, what am I going to do with all these batteries?

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 14 Dec 1998 13:52:17 -0600
From: kkanalz@optelinc.com
To: rmerriam@csi.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27312] Re: 6M transverter
Message-ID: <862566DA.006D4E27.00@hdqsmtp01>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

No, Rud.... the transverter does not "double" (or even approximately double)
the input i.f. frequency to six meters! The transverter mixes (heterodynes) the
i.f. frequency of 28 MHz to 50 MHz by beating it against a 22 MHz signal (oscillator).

Therefore, the bandwidth of the signal transmitted on 50 MHz remains the same

as the bandwidth of the input i.f. signal...

Karl K. - W8TIF

McKinney, Texas

"Rud Merriam" <rmerriam@csi.com> on 12/13/98 04:24:40 PM

Please respond to rmerriam@csi.com

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: 6M transverter

Got a question on transverters. Assume a 10m-6m transverter. The 10m rig puts

out a bandwidth of, say, 1khz. The transverter roughly doubles the frequency of

the output signal going from 28mhz to 50mhz. Doesn't it also double the bandwidth from 1 khz to 2khz?

Rud Merriam KD5DTV

rmerriam@csi.com

Date: Mon, 14 Dec 1998 09:42:51 -0800

From: "Earl S. Mead" <k6esmead@pacbell.net>

To: qrp-1@Lehigh.EDU

Subject: [27313] Zombie Badges

Message-ID: <36754E1B.26DAA0FD@pacbell.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On 8 Oct 1998 Paul Harden <pharden@aoc.nrao.edu> posted an e-mail titled: Zombie Shuffle Update. In it he said that Zombie Badges were available "just send a buck or two to cover the cost of the postage and envelope to:

Quicksilver Printing
ATTN: Zombie Dept
P. O. Box 757
Socorro, NM 87801."

Well, I did that and after waiting what I felt was a reasonable time, I sent an e-mail (about 29 Oct 98) asking if a Zombie Badge had been sent.

Subject: Tracing Zombie Badge Request
Date: Thu, 29 Oct 1998 10:17:05 -0800
From: "Earl S. Mead" <k6esmead@pacbell.net>
To: pharden@aoc.nrao.edu

Hi Paul and Witchess Sandra:

On October 10, 1998 I mailed you a \$2.00 check for a Zombie Badge. I haven't received it as of Oct.29,98.

Checking with the bank has shown that the check I sent you has not been cashed

dated Oct. 9, 98, payee:

Paul Harden).

As requested by your 8 Oct 98 msg, "Zombie Shuffle Update", I sent the check to:

Quicksilver Printing
ATTN: Zombie Dept.
P.O. Box 757
Socorro, NM 87801

Have you received the check? If not, it may have been lost in the mail and I'll send another check for a badge. Please do not send a badge without my payment.

Thank you very much.

--

73, CUL, Earl, K6ESM

On 29 Oct. 98 Paul replied that he would check to see if I had been mailed a badge and what Zombie number I was assigned. I received a second message on 29 Oct 98 stating I had been "assigned and sent" badge #xxx. Also "If you don't get it in a few more days, let me know and we'll send another one."

About 11 Nov 98 I sent another e-mail to Paul stating that I hadn't yet

received the Zombie badge that was sent in Oct.

In the meantime, my check to Paul Harden was cashed on 6 Nov 98. On 12 Nov 98 he replied; "I don't know what happened to your Zombie badge, but we'll send a new one to you tomorrow. Just left a note for Sandra and she will send you another one, though it will have a different number (since they were all numbered and laminated in sequence). Don't know what happened, but we'll make it good and ensure you get "Zombie-ized."

I hadn't received the second badge so I sent another e-mail:

Subject: Zombie badge
Date: Sun, 22 Nov 1998 09:18:38 -0800
From: "Earl S. Mead" <k6esmead@pacbell.net>
To: Paul Harden <pharden@aoc.nrao.edu>, Paul Harden <na5n@rt66.com>

Hi Paul and Witchess Sandra:
I haven't received the second Zombie badge you were supposed to send last week.
What address are you using to mail the badges to me? It may be incorrect!

--

73, CUL, Earl, K6ESM

I did not receive an answer to that e-mail and so I sent another:

Subject: Zombie badge
Date: Fri, 27 Nov 1998 13:43:23 -0800
From: "Earl S. Mead" <k6esmead@pacbell.net>
To: Paul Harden <pharden@aoc.nrao.edu>, Paul Harden <na5n@rt66.com>

Hi Paul and Witchess Sandra:
I haven't received the second Zombie badge you were supposed to send on 13 Nov 98. As a matter of fact I haven't received any of the Zombie Badges you've sent including #347 as you indicated on 29 Oct 98 RE: Tracing Zombie Badge Request.
I asked you on Sun Nov 22 98: "What address are you using to mail the badges to me? It may be incorrect!" I haven't received a reply to that question. I need the information for the postal inspector to trace the packages.
This is frustrating me to no end to say the least!

--

73, CUL, Earl, K6ESM

Then not having received a reply to that e-mail, I posted this message to QRP-L:

Subject: Zombie Badges

Date: Fri, 04 Dec 1998 09:55:07 -0800
From: "Earl S. Mead" <k6esmead@pacbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Hi All:
Am I the only one having trouble getting a Zombie Badge?
--
73, CUL, Earl, K6ESM

I received replies from other people that mirrored my experiences
(several e-mail messages to Paul about not receiving badges and his not
answering their last e-mails either).

I sure wish these problems would get resolved very soon.
--
73, CUL, Earl, K6ESM

North Hills Radio Club, the BEST amateur radio club in the world!!!

<http://www.K6IS.org>

The value of advice is in its use.

We find "Reasons" to do things; "Excuses" for not.

Date: Mon, 14 Dec 1998 15:56:02 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: QRP-L <qrp-1@lehigh.edu>
Subject: [27314] Yipee!! Got the HI card - that makes 50 confirmed!!
Message-ID: <36757B62.D2FF7C15@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, it finally happened -- I got Hawaii confirmed. That gives me all
50 states confirmed while I was operating QRP. Took from March '97 to
Nov '98.

Guess I'll start filling in the blanks for 2-way QRP WAS. Maybe I'll
just use my homebrew gear and see if I can get all 50 -- need to start
working on that Small Wonder Labs GM-10, and my 3-element delta loop
array. :-)

Of course, I can also keep working on the 34 states remaining for QRPp

WAS (its amazing what those little Pixie's will do) -- now that's hard work, especially with a 40m dipole up about 25'.

72,

Jake -- N4UY
Vienna, VA (DC suburbs)

Date: Mon, 14 Dec 1998 14:56:01 -0600 (CST)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [27315] can u go to cw?
Message-ID: <25071-36757B61-1794@mailtod-122.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

During the 10m contest I heard more than one dx station ask "Can you go to cw on such a such band/" only to be told no. One dx operator was heard say, after his third received no, "what is the world coming to ?" They shall seek and they shall not find.
We see the future coming.

Larry, K1zw

Date: Mon, 14 Dec 1998 14:53:32 -0700
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [27316] correction to URL address/ 160 meters
Message-ID: <19981214.145332.-385673.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<http://www.antennex.com/index.htm>

sorry about that.

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Dec 1998 14:19:44 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [27317] NorCal 20 Status Report
Message-ID: <01be27af\$da965d40\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

We are nearing the end of a long process, and I would like to thank all of you for your patience and understanding. When we started this process, I envisioned no problem with finishing it by the early fall, in fact, I was hopeful that we would be able to hand out kits at Pacificon, but that did not happen for several reasons.

First of all, the rig was almost entirely redesigned from what we had at Dayton in May. The IF was changed from 8 MHz to 9, and the VFO was changed from 6 MHz to 5. This was done for stability reasons, and other considerations. We then decided to order custom cut crystals, which meant that we had to wait for them to be made and then delivered. That took several weeks. We had stability problems, our interface with the TiCK keyer needed some work, the AFA had some problems that were caused by the instability in the VFO and the spurs generated in the rig. All of these things had to be solved. The bottom line was that we were not able to meet our deadline. WE had a prototype that was 98% finished at Pacificon, but it still needed that final "tweaking".

We could have said ok, the guys have waited long enough, let's ship and let them work out the problems. After all it is just a club project. We did not do that, we decided to take the time necessary to work all bugs that we knew about out of the rig in the best way possible. To do that, we had to get some outside help, to help the designer see the trees for the forest. We wanted to get some other opinions.

That is when we called in Mike Gipe, Dave Meacham and Gary Surrency. These three put in literally hundreds of hours getting the final problems worked

out of the rig. They found two significant bugs, and corrected both of them, plus came up with several suggestions that were incorporated in the final design.

I had a preliminary BOM by the first of November, and started to order the majority of parts at that time. I knew that there would be some last minute changes, but felt that it was imperative to get the parts ordered so that we would not be held up at the last minute. Mouser is supplying many of the R's and C's, and we exhausted their supply of many components. There were more than 30 components that were backordered and have been dribbling in since the original order was received. We are now waiting for 2 parts to get here in order to be able to ship the kits that were paid for.

All of the crystals have been matched, all of the IC's, diodes, transistors, voltage regulators have been sorted and placed in small bags, and now I am working on the resistors. There are 101 resistors in this kit. I worked all weekend and got 125 sets bagged and sealed. To put this in perspective, the 38 Special had 100 parts in it. I think that the NC20 has something like 350 total parts (that is counting hardware, case, knobs, etc.)

Dave is supposed to finish the final layout of the board tonight, after many, many hours of work and checking and rechecking. He will send it to AP Circuits and we should have them back by Thursday. He will build the boards and if everything checks out, we go to production on Monday, keep your fingers crossed. There is nothing major that has been changed, just a couple of routing errors that were in the last run, plus we have added some pads to make a couple of mods easier to do. But we must have a perfect board before we can go to production.

Brad Mitchell and Gary Diana have delivered the specially programmed NC20 Chips for the built in keyer. They worked many hours to insure that we got them on time. The chips in the rigs that will go to third world countries were provided to NorCal at their cost for the chips. They did not make one cent on those chips. Please, if you are thinking about buying a keyer chip or kit, remember the support that Gary and Brad have given QRPers. The chips came last Friday, and are ready to put in the kits.

Doug Hauff of San Luis Machine had been handling the case production details with a local sheet metal shop in San Luis Obispo. The cases will be 5" wide by 5 3/8" deep by 2 1/2" high, made out of .060 aluminum, with countersunk undercut screws holding the clamshell top and bottom to the front and back panels. Doug was able to get a fabulous price of \$5 per case, punched and ready to go. They are unfinished at that price, but we figure that most will be painting their cases anyway. The production of the cases involved many hours of measuring and checking, rechecking by Dave Meacham, Mike Gipe and Doug Hauff. We have been promised delivery of the cases by the 24th of December. Doug is delivering them to Dos Palos, driving a hundred miles out of his way to get them to me.

The manual is being written by Dave Fifield, and will be finished by Christmas, I hope. If the parts come in, if the boards are ok, if the cases come in, if the manual gets finished and printed, if the creek doesn't rise, we should be able to ship the first kits by the first of the year. I hope to be able to do about 125 per week.

We took extra time and care with this kit, because it is special to us. It will be sent to 500 operators in third world countries. It has to be right. I am sure that you will join with me in appreciating all of the wonderful work that all of the guys have done for the NC20. I would especially like to recognize, Dave M, Mike Gipe, and Gary Surrency. I can think of no one that I would rather have than those three to debug a rig. Check the back issues of QRPp and look at the articles that the three of them have written. I wish that you could have seen the copies of the email that was sent daily by the "NC Team". It was amazing how much effort that they each gave to the project.

How good is this radio? We will soon know. The design is finished. The beta testers have given their feedback, and the kitting has started. It is not a perfect radio, as there probably isn't such a thing, but I do know that it will be worth every penny of the \$95 that you paid for it. The amount of time spent on stabilizing the drift in the VFO is a case in point to the attention given to the detail of this design. When Gary, Mike and Dave built their beta test units, they each drifted about 1500 Hz from a cold start in the first 30 minutes. After over 3 weeks of daily testing involving hours of tests each day, the drift after the first 30 minutes now is in the very low 100's of hertz on all of the units tested. I would say that most will only have a drift of 100 to 200 Hertz using stock out of the box parts.

Dave has posted as to the spectral purity of the design. That speaks for itself.

Finally, I would like to thank all who ordered and have waited very patiently for us to finish the design and ship the kit. The complaints have been very few, and we do appreciate that. NorCal kits are financed by the members who preorder them. We have taken your money and invested it in group buying of parts, which has enabled us to save a lot of money on the kits. You placed great trust in us, and we treasure that trust very much. We have done the best job that we know how to do. Thanks again, and if you have questions, I will do what I can to answer them.

72, Doug, KI6DS

Date: Mon, 14 Dec 1998 17:17:59 -0500 (EST)
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [27318] Re: 40673 FS: At *WHAT* Price!!!!?????
Message-ID: <Pine.SOL.3.92.981214171234.7993A-100000@madrox>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The prices quoted in this thread seem about right, actually - the supply of real 40673s is finite, and diminishing. Supply and demand fill in the rest...

Besides, it's a 1970s part, with 1970s performance. There are newer dual-gate MOSFETs out there that are far cheaper, with better performance (though I must admit I'm running low on BF981s). If you insist on pukka 40673s, for whatever reason, be prepared to pay the price. Which is not just a financial one.

Laura Halliday VA3LDH "Que les nuages soient notre
Grid: FN03gs pied a terre..."
 - Hospital/Shafte

Date: Mon, 14 Dec 1998 17:42:07 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [27319] Beacons on other bands...
Message-ID: <3675943F.20F3A9F8@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This may sound like a silly question, but can beacons be placed on any of the other bands other than 10 metres. I believe they can, but are there certain guidelines and requirements for these other bands. I am thinking of putting a flea power beacon on 40 metres, but not sure where it can be allowed to go. I have been running a beacon on 10 metres for some time, and the other bands seem like they could be just as fun... Please reply direct to my e-mail address, so as not to use up much bandwidth... Thanks to all.

Fred VE3FAL
VA3SBB/BCN 28.241 MHz

Date: Mon, 14 Dec 1998 17:50:19 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <we6w@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27320] Re: Stripping enamel wire
Message-ID: <199812142248.8819600@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> From: Ed Loranger <we6w@juno.com>
>
> a good old gentle scraping
> gets the enamel off.

I found the scraping to be a tedious, somewhat iffy business. However, I did notice that the coating burns quite well, so a quick shot with the Bic lighter, followed by a wipe with steel wool to remove the soot, and voila!

72/73 de WB8RCR <http://users.tm.net/jjmcd/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Mon, 14 Dec 1998 17:42:36 EST
From: RangerSF5@aol.com
To: k6esmead@pacbell.net, qrp-l@lehigh.edu
Subject: [27321] Re: Zombie Badges
Message-ID: <72583402.3675945c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Earl and Gang,
I just read Earl's post and decided to toss in my .0002 cents worth.
Paul always has at least 6 things going at one time.
He's also trying to get the MFJ news letter out.
As for your mail not being answered, it's also happened to me but a few times when I thought Paul just forgot about me, I received a reply.
Also at this time of the year snail mail goes into slug mode.
If you send in another check, I suggest that you send it in a SASE padded envelope as the large clip has put a good size hole in the thinner envelope

that the badge is shipped in.

Paul is also on the road a lot and when he returns, he's got a ton of mail to read.

You'll get Zombied and i'm still waiting for the MFJ news letter.

72/73

Bob

WA2HOQ

MERRY CHRISTMAS TO EVERYONE

Date: Mon, 14 Dec 1998 16:14:09 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "Earl S. Mead" <k6esmead@pacbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [27322] Re: Zombie Badges
Message-ID: <Pine.SOL.3.91.981214160614.4543A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Earl,

I have sent you the Zombie badge as requested. I don't know why you didn't get it. I would be glad to send you another one, but to avoid any further problems, I will return your \$2 instead. I don't want to give you any further excuses of accusing me of stealing your money.

Thank you so much for sharing all this difficult over two lousy bucks with the entire world. And for the record, I *HAVE* answered all your private email on this matter, which you so thoughtfully attached to your post to qrp-1. Since you decided to dump this on qrp-1, I am responding in kind.

You'll have your two bucks in time for Christmas.

72, Paul NA5N

Date: Mon, 14 Dec 1998 16:42:19 -0700
From: Andy Fox <foxes@theriver.com>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [27323] IC Prices
Message-ID: <3675A25B.97B907A9@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

I just got my taste of "sticker shock" when reordering some IC's.
LM3524DN (16-pin DIP) are \$2.50, while LM3524DM (SO-16) are \$1.70.

I'm not about to lay the board out again to save \$1.60 (2 parts per board). Just a reminder that the world is indeed moving quickly from through-hole to surface mount...

72 de Andy, KK7HV

Date: Mon, 14 Dec 1998 15:50:56 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [27324] Earl and Paul
Message-ID: <01be27bc\$98645640\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have to come to Paul's defense on this one. Why? Because he told me over two weeks ago about it on the phone. He said that you had posted to the net that you were having problems and that he had sent the badge already, twice! Now think about this one Earl. You sent 2 dollars to Paul for a Zombie badge. He mailed it to you twice. Did you ever stop to think how much those badges cost Paul??? Well I happen to know that the \$2 isn't going to come close to covering his costs. He pays "Witchess Sandra" a salary to do the mailing of the Zombie stuff, because he is busy doing other things. He cannot afford to spend his time looking up your address. I send out out crystals and missed issues of QRPP, and let me tell you, when I send them out, I DON'T keep the address around, not for \$2, I don't. You have asked Paul to send you 2 badges, he has and you haven't received them. Did you know that if you order something and don't insure it that the responsibility of the sender ends when he puts it in the post office? Think about it, otherwise, the sender would have to insure things. Did you include money for insurance? If not, then the problem with the non delivery is yours, not Paul's. I don't adhere to that policy, nor does Paul, we make things right. I can assure you that Paul Harden is an honest man, and that he is not doing anything to cheat you. He gets very busy and behind sometime, but it is because he is doing things for the benefit of QRPers, not himself.

I think this whole thing should have been handled privately, not on the list. We are not interested in your problems over \$2. Tell you what, if

you will send me your address, I will send you the \$2 if you promise not to bug Paul or the list any more about this.

Believe me Earl, I have been in Paul's situation. I have sent things to guys and had them complain that they didn't get them. Then I get a message after I have sent a second one that the first and the second finally arrived. Never get an offer to reimburse me for my time, and money spent for postage, but sometimes they do let me know.

The other 99% of the QRPers that I deal with are wonderful, patient people who are very appreciative of what a few of the guys do for the group. They are the reason that guys like Paul Harden do what they do, and put up with what you do. They make it all worthwhile. Think about what Paul has done for the hobby. Think about what you have done. I have and that is what prompted this message.

Doug Hendricks
KI6DS

End of QRP-L Digest 1305
